

Girish Tryambake

<https://calendly.com/girishjsengineer/new-meeting>
connect.tryambake.com

Professional Summary:

- A seasoned **Senior Full Stack Engineer**, specializing in modern web technologies, with a proven track record of technical leadership and end-to-end feature ownership on mission-critical projects
- Extensive experience architecting and delivering high-traffic, complex Single-Page Applications (SPAs) and reusable component libraries. Expert in React and TypeScript, with a deep understanding of frontend performance optimization, accessibility (WAI-ARIA), and secure coding standards. Experienced in leading cross-functional teams to deliver world-class customer experiences.
Over 10 years of professional experience with **React**, 4 years on **Next.js**, and 5 years on TypeScript. Highly skilled in **collaborating with cross-functional teams** to deliver world-class customer experiences
- Leveraging expertise in **AI-driven development practices**, including PromptEngineering and VibeCoding, to build next-generation user experiences.
- Expert in building performant, accessible, and scalable user interfaces, with a deep understanding of JavaScript and TypeScript. Proficient in utilizing GraphQL and REST APIs for seamless data integration. Experienced in end-to-end feature ownership, from design collaboration to deployment. Skilled in testing frameworks such as **Jest** and **Mocha**, and adept at Agile development processes to ensure high-quality, maintainable code. Available for overlapping work hours with both US and European teams.
- **Experienced in developing and integrating REST APIs** with both SOAP-based and REST-based APIs.
- **Strong testing background** including Test-Driven Development (TDD) and Behavior-Driven Development (BDD) using RSpec and Cucumber.
- **Server-side development, system development, and migration experience** with NodeJs, NextJS, Javascript, Ruby

Skills Summary:

- **AI:** Prompt and Context Engineering, VibeCoding using Windsurf, Augment, Github Copilot, RooCode/Kline Code and related tools
- **Frontend:** ReactJS, NextJS, JavaScript, TypeScript, ShadCN, Redux, Zustand, Angular, VueJS, HTML5/SCSS, jQuery, Ember.js
- **Backend:** NodeJS, NestJS, Ruby, Rails (2.3/2.2), PHP, Python, VC++, C/C++, CodeIgniter, CakePHP, Zend
- **Cloud & DevOps:** AWS (Lambda, S3, CloudFormation, Elastic Beanstalk, CloudWatch), Docker, Git, Bitbucket, GitHub, SVN, Capistrano, Nginx, Apache2, Unicorn
- **Databases:** MySQL, PostgreSQL, MongoDB, Redis, Oracle
- **Testing:** Jest, Mocha, Playwright, RSpec, Cucumber, TDD, BDD, Jasmine
- **APIs:** GraphQL, REST, SOAP
- **Other:** LoopbackJS, Shell Scripting, Dedicated problem solver by Prototyping

Soft Skills & Collaboration:

- Proven experience mentoring and leading teams to improve code quality and efficiency.
- Strong collaborative skills, working closely with designers, product managers, and cross-functional teams to deliver a unified product vision.
- A dedicated problem-solver who enjoys tackling complex hardware-software integration and re-engineering challenges.

Professional Experience:

Coupang (Remote) | Apr 2025 – Present

Sr. Software Developer - CIC Team

- Led the end-to-end development of the new user dashboard, from collaborating on Figma designs with the UX/UI team to implementing the UI with **ReactJS**, **Next.js** and integrating with our GraphQL API.
- Designed and implemented cloud-native solutions using AWS Lambda and Docker to build scalable microservices.
- Mentored a team of 5 developers, establishing new code review guidelines that **reduced bugs** by 10% and increase **code coverage** by 33%.
- Utilize Typescript and JavaScript to create modular, reusable code for scalable applications.
- Implement RESTful APIs and integrate them efficiently with front-end systems.
- Implemented AWS CloudFormation Bootstraps for end-to-end code deployment, reducing deployment time by 37% and improving overall release reliability.
- Leverage AWS services (e.g., EC2, S3, Lambda) for deployment, scalability, and infrastructure management.
- Utilize Docker to containerize applications and manage development, testing, and production environments
- Worked closely as partner with UX/UI designers, product managers, and other engineers to ensure a unified approach to development.
- Troubleshoot, debug, and optimize front-end and back-end systems to ensure top-tier performance.
- Utilized **Jest** for comprehensive unit and integration testing.
- Utilized **PostgreSQL** for database management and **Redis** for caching to improve application performance.
- **Skills & Tech:** **React**, **Next.js**, **Typescript**, GraphQL, Micro Frontends (Piral JS), Docker, AWS, Java Spring micro services, Mac OS X, Git, Windsurf (AI assistant).

Google Inc. (Remote) | Dec 2022 – Apr 2025

Sr. Software Developer - Hearable System / Apps Team

- Developed a Chrome-based web application to replicate Android companion app functionalities for Pixel Buds users, utilizing the Web Serial API.
- Collaborated closely with UX/UI designers and product managers to translate Figma designs into a seamless user experience.
- Engineered a proof-of-concept (go/stretto-flash) using hookshot hardware, enabling device communication via charging cases with a local NextJS app and ReactJS, solving a complex hardware-software integration problem.
- Implemented Web Serial API to mirror Android app features on Chrome, ensuring cross-platform parity.
- Spearheaded RFCOMM protocol integration into Web Serial API, eliminating hardware reliance and enhancing Bluetooth communication speed, which was a significant systems engineering challenge.
- Developed developer-focused interfaces and infrastructure to support future customer-facing web app scalability.
- Successfully led the migration of a company-wide customer-facing application from NextJS to Angular, ensuring a seamless transition and improving performance by 23% for internal customer-facing company-wide usage.
- **Skills & Tech:** Web Serial API, RFCOMM, Bluetooth Serial, Chrome Browser, Hookshot Hardware, Prototyping, Mac OS X, AngularJS, **ReactJS**, **NextJS**, NodeJS, JavaScript, **TypeScript**, Git.

Universal Music Group (Remote) | Oct 2022 – Dec 2022

Sr. Software Developer - D2C Ecommerce Engineering Team, Shopify Admin Apps

- Led the D2C Ecommerce Engineering Team, managing project roadmaps and ensuring an integrated development approach across front-end and back-end services for a leading DTC brand.
- Partnered with the design team to ensure a unified approach to development.
- Led the development of Shopify admin apps, supporting the wider UMG eCommerce platform across subscription, product, and user management.
- Translated Figma designs into UI/UX using ReactJS, NestJS, NodeJS, JavaScript, and HTML5/SCSS.
- Developed and maintained GraphQL APIs, loading data from NodeJS and other internal API servers.
- Managed hosting on AWS Cloud and Shopify Workspaces.
- Designed and developed various UX components, enhancing the GraphQL API.
- **Skills & Tech:** AWS, Mac OS X, ReactJS, NestJS, NodeJS, JavaScript, TypeScript, GraphQL, Git.

Nike (Remote) | Feb 2022 – Oct 2022

Sr. Software Engineer - Product Admin for OCPP Team, Artemis Product Admin App

- Reduced manual processes for digital product sourcing by 67% by leading the Artemis Product Admin App project, significantly increasing operational efficiency.
- Provided best-in-class user experience and functionality for Nike digital product sourcing and merchandising operations, and promoted wise development practices to ensure application stability and velocity.
- Ensured the application's availability across multiple geos and time zones.
- Translated Figma designs into UI/UX using ReactJS, NextJS, NodeJS, JavaScript, and HTML5/SCSS.
- Developed and maintained GraphQL APIs, loading data from NodeJS and other internal API servers.
- Managed hosting on AWS Cloud.
- Designed and developed various UX components, enhancing the GraphQL API.
- **Skills & Tech:** AWS, Mac OS X, ReactJS, NextJS, NodeJS, JavaScript, TypeScript, GraphQL, Git.

Kaiser Permanente (Remote) | Mar 2021 – Feb 2022

Sr. Software Engineer - Managing Coverage & Costs

- Redesigned the 'Managing Coverage & Costs' page, providing policyholders with a clearer understanding of their benefits, thereby enhancing user well-being and transparency.
- Developed the UI using ReactJS, Angular, NodeJS, JavaScript, and HTML5/SCSS.
- Gained expertise in the analysis, design, and implementation of AWS Lambda applications using TypeScript and Node.js.
- Utilized REST APIs to load data from Java and NodeJS servers.
- Hosted applications on Azure Cloud and in-house cloud infrastructure.
- Developed Loopback 3.x based data APIs and a robust validation engine.
- **Skills & Tech:** Mac OS X, ReactJS, Angular, NodeJS, AWS Lambda, TypeScript, LoopbackJS, Shell Scripting, Postgres, Git.

Autodesk Inc. (San Rafael, CA) | Jun 2014 – Jan 2021

Sr. Principle Engineer - Digital Help Platform - Micro-frontend-components

- Developed a full-stack Help platform featuring GraphQL and REST API-backed microservices and ReactJS-based SPA micro-frontend components.
- Implemented AWS CloudFormation Bootstraps for end-to-end code deployment, demonstrating hands-on experience with CI/CD practices.
- Catered to multiple cross-Autodesk self-service ecosystem projects, including Knowledge Network's widgets and user/content help.
- Developed the UI using ReactJS, JavaScript, HTML5/CSS3.
- Implemented AWS CloudFormation Bootstraps for end-to-end code deployment.
- Utilized GraphQL APIs to load data from servers.
- Established Docker-based workflow and development.
- Analyzed, designed, and implemented micro-services on AWS Lambda.
- Developed Loopback.js based data APIs.
- Designed and developed a model-based data API for reading from DB and writing to Salesforce, alongside a robust validation engine.
- **Skills & Tech:** AWS, Lambda, Mac OS X, ReactJS, NodeJS, TypeScript, GraphQL, Ruby/Rails, Salesforce, LoopbackJS, Shell Scripting, Postgres, Git, Nginx.

Autodesk Inc. (San Rafael, CA) | Jun 2014 – Jan 2021

Sr. Principle Engineer - Crucible Data API (Crucible)

- Developed a model-based REST API with lightweight orchestration microservices, separating case-specific logic from API plumbing for faster API delivery.
- Implemented AWS CloudFormation Bootstraps for end-to-end code deployment.
- Established Docker-based workflow and development.
- Developed Loopback.js based data APIs.
- Developed Micro-Front Ends (MFEs) using React, Redux, TypeScript, and JavaScript.
- Designed and developed a model-based data API for reading from DB and writing to Salesforce, alongside a robust validation engine.
- **Skills & Tech:** Mac OS X, ReactJS, NodeJS, JavaScript, TypeScript, GraphQL, Ruby, Salesforce, AWS, LoopbackJS, Shell Scripting, Postgres, Git, Nginx.

Autodesk Inc. (San Rafael, CA) | Jun 2014 – Jan 2021

Sr. Principle Engineer - Partner Web Services (PWS)

- Enabled a subscription model by exposing 'Order Submit' services to distributors, facilitating their recurring engine and payment mechanisms.
- Empowered Autodesk's partners to transition to term-based offerings.
- Worked on the design and development phases of the application using the Ruby on Rails framework.
- Developed Active Record classes from Rails console for database programming.
- Created and deployed new features, amended existing features, and handled caching in Ruby on Rails.
- Coded model-level validation using Ruby programming, emphasizing web security.

- Developed a user authentication module for customer-facing applications using the Cancan Ruby gem.
- Implemented and enhanced CRUD operations for applications using the MVC architecture of the Rails framework, conducting code reviews.
- Implemented Unit Testing, Integration Testing, and Behavior Driven Development (BDD) using RSpec and Cucumber.
- Wrote advanced HTML5, JavaScript, and CSS to deliver cutting-edge user interfaces and components.
- Utilized Bootstrap front-end framework for faster and easier web development with MySQL and Node.js backend.
- Developed custom HTML elements using Angular.js 2.0 directives.
- Used AngularJS as a framework to create a Single Page Application (SPA), binding data to specific views and synchronizing data with the server.
- Collaborated with ReactJS to build Bootstrap components for UI web objects, linking with API data to dynamically render virtual DOM.
- Implemented AWS CloudFormation Bootstraps for end-to-end code deployment.
- Established Docker-based workflow and development.
- Developed a frictionless interaction model for partners and customers.
- Enabled customers to purchase Desktop Subscriptions through channel partners.
- Facilitated customer management of Autodesk offerings via existing account processes.
- Developed offer management and a web service-based ordering experience for desktop subscription.
- **Skills & Tech:** Mac OS X, ReactJS, NodeJS, JavaScript, TypeScript, GraphQL, AWS, Amazon AMI, Ruby, Puma, NodeJS, ReactJS, Shell Scripting, MySQL, Redis, Perforce, Git, Nginx.

Autodesk Inc. (San Rafael, CA) | Jun 2014 – Jan 2021

Sr. Principle Engineer - Desktop Subscriptions API

- Transformed the company's business model to increase Desktop Subscriptions and renewal rates while lowering overhead for the order submission process.
- Developed API systems connecting to Amazon, CWD, and Dell stores.
- Integrated systems like Siebel, Tibco, Salesforce, and SAP into a single Ruby app.
- Provided API support for document upload and conversion using a Ruby backend.
- Implemented and maintained staging and development servers.
- **Skills & Tech:** Mac OS X, Amazon AMI, Ruby, Shell Scripting, MySQL, Redis, Perforce, Git, Nginx.

PayPal Inc. (San Jose, CA) | Oct 2012 – Oct 2013

Web UI Developer – Risk and Valuations Team

- Worked as a web developer and full-stack team member for the Risk and Valuations team, utilizing backend Rails and frontend Ember JS.
- Developed frontend with Ember JS and Ember data.
- Ensured code coverage with RSpec and Jasmine for testing.
- Developed cutting-edge frontend using the JavaScript Ember.js MVC framework.
- Provided API support for document upload and conversion using a Ruby backend.
- Managed MongoDB split and optimized queries for faster operations.
- **Skills & Tech:** Windows Servers, Ubuntu, Ruby, Perl, MongoDB, Redis, RSpec, Kafka, Shell Scripting, MySQL, Git, Apache 2, JavaScript, Ember JS, Ember Data.

BillFloat (San Francisco, CA) | Dec 2011 – Jul 2012

System Engineer - BOSH/Cloud Foundry/Vcap PaaS new service addition

- Contributed to Cloud Foundry BOSH, an open-source tool for release engineering, deployment, and lifecycle management of large-scale distributed services.
- Added new services to the existing core service, integrating Ruby-based code for VCAP and BOSH.
- Gained a comprehensive understanding of the BOSH, VCAP infrastructure, and PaaS.
- Developed with RSpec and Rails 2.3.14.
- Utilized MySQL as a backend and MongoDB for support.
- Developed jQuery for frontend.
- Conducted initial application testing on Apache and Passenger.
- Identified modules for infrastructure changes.
- Used Postgres as a backend.
- Performed initial application testing on Nginx and Unicorn.
- **Skills & Tech:** OS X, Ubuntu, Ruby on Rails, JavaScript, Nginx, Apache 2, MySQL, Postgres, Git.

VerticalResponse (San Francisco, CA) | Nov 2010 – Dec 2011

Software Engineer – Orbital

- Migrated the existing application from Rails 2.3.x, PHP, and Perl to Rails 3.x on Ruby 1.9, with significant feature additions and improvements.
- Involved from the initial project planning and prototyping phases through to agile development kick-off.
- Developed with RSpec and Jasmine.
- Utilized MySQL as a backend.
- Implemented jQuery with Backbone.js.
- Set up continuous integration with CruiseControl.rb.
- Conducted initial application testing on Apache and Passenger.
- **Skills & Te Vista Higher Learning ch:** OS X, RESTful, Ruby on Rails, jQuery, Apache2, MySQL, Git, Agile.

Vista Higher Learning (Boston, MA) | Aug 2010 – Nov 2010

Rails Developer – VHL Central

- Developed a learning platform backend for supporting new and existing learning platform.
- Developed applications from scratch.
- Conducted unit testing with Test::Unit.
- Utilized MySQL as a backend.
- Performed initial application testing on Apache and Passenger.
- **Skills & Tech:** MacOS, RESTful, Ruby on Rails, JavaScript, jQuery, Apache2, Oracle, SVN, Agile.

Barclaycard US (Wilmington, DE) | May 2010 – Aug 2010

Ruby Developer - Retention 3.0

- Developed a policy management application from scratch to determine customer offers based on operational history.
- Executed a complete rewrite of the existing Retention 3.0 system, adding numerous new features.
- Developed applications from scratch.
- Conducted unit testing with Test::Unit.
- Utilized Oracle as a backend.

- Performed initial application testing on Apache and Passenger.
- **Skills & Tech:** Windows XP, RESTful, Ruby on Rails, JavaScript, jQuery, Apache2, Oracle, SVN, Agile.

IDT Corp (Newark, USA) | Jul 2009 – May 2010

Ruby On Rails Consultant

- Maintained 60% of existing Rails sites and contributed to various IDT applications.
- Developed a leave management application for all IDT employees, integrated with a central system featuring single sign-on and API support.
- Developed and maintained the web space.
- Configured server setup for the portal, including Apache and MySQL installation.
- Utilized MySQL as a backend.
- Conducted initial application testing on Apache.
- **Skills & Tech:** Mac OS X, Ruby on Rails 2.3.4, JavaScript, Apache2, MySQL, Capistrano, Git, Agile, CentOS.

N2pcallshop.com

Ruby On Rails Consultant

- Developed n2p Callshop, a phone booth management application.
- Developed and maintained the web space.
- Configured server setup for the portal, including Apache and MySQL installation.
- Set up SMTP on the server.
- Utilized MySQL as a backend.
- Conducted initial application testing on Apache.
- **Skills & Tech:** Mac OS X, RESTful, Ruby on Rails 2.3.4, JavaScript, Apache2, MySQL, Capistrano, Git, Agile, CentOS.

Beezag (NY, USA) | Jun 2009 – Jul 2009

Adportal.beezag.com

Ruby On Rails Architect

- Developed an advertisers' system for NY-based Beezag.com, serving as an ad portal for advertisers to manage CRUD campaigns, personal information, company details, employees, and target audience.
- Developed and maintained the web space.
- Configured server setup for the portal, including Apache and MySQL installation.
- Set up SMTP on the server.
- Utilized MySQL as a backend.
- Conducted initial application testing on Apache.
- **Skills & Tech:** Mac OS X, RESTful, Ruby on Rails 2.2.2, JavaScript, Apache2, MySQL Capistrano, Git, Agile, Ubuntu.

ADESA (NJ, USA) | Jan 2008 – Sep 2008

Migration Expert and Architect

C++ Consultant

- Developed an advertisers' system for NY-based Beezag.com, serving as an ad portal for advertisers to manage CRUD campaigns, personal information, company details, employees, and target audience.
- Developed and maintained the web space.

- Configured server setup for the portal, including Apache and MySQL installation.
- Set up SMTP on the server.
- Utilized MySQL as a backend.
- Conducted initial application testing on Apache.
- **Skills & Tech:** Windows, C++, JavaScript, Apache2, MySQL Capistrano, Git, Agile, Ubuntu.

Dow Jones (Jersey City, NJ, USA) | Jun 2007 – Dec 2007

Ruby Consultant - Timeoffs Migration and Image Harvester & Headline Extractor

- Worked for the Enterprise Media Group of Dow Jones Newswires, 'The Wall Street Journal', migrating a legacy application to .Net (Time Offs) and developing Image Harvester and Headline Extractor applications.
- Used these applications as a monitoring tool to track new market messages to the millisecond, employing OCR for text extraction.

Responsibilities: Part I

- Developed a viewer app using Ruby on Rails v2.2.2 for headline analysis.
- Utilized RSpec for TDD.
- Studied migration issues from VB, C++, and Win32 applications to C#.Net 2.0 Framework.
- Prepared functional specification documentation.
- Developed a prototype for a proposal application that injected code snippets into target applications to read specified memory areas using Win32 API C/C++ and Visual C# .NET.
- Programmed Hooking and Subclassing using Win32 API and C#.
- Implemented inter-process communication using Windows messages and Hooks.
- Debugged, decompiled, and disassembled legacy applications using WinDbg, OllyDbg, PE Explorer, CFF Explorer, Flex Hex Editor, Reflector, and Rec Studio software packages.
- Prepared system specifications documentation to understand minute system details.
- Developed a UI Form-based application using C#.NET and Win32 API unmanaged code.

Responsibilities: Part II

- Studied issues in the development of OCR and image capturing applications in C#.Net 2.0 Framework.
- Prepared functional specification documentation.
- Developed prototype applications for target and OCR machines.
- Implemented code for Headline Extractor using ABBYY FineReader Engine 8.1 OCR library.
- Implemented and coded Image Harvester using Screen Capturing technique.
- Implemented a Parser module to extract intended text from OCR'd captured images.
- Implemented a Communication module using FTP uploading and downloading via Windows IIS.
- Developed and coded a Windows service, HeartBeatService, to check the health of the Image Harvester application using a file touching technique.
- Developed and coded a Windows service, Headline Extractor, to download FTP'd captured images, send them to OCR Engines in a round-robin pattern, extract headlines, and upload hourly files to a Corporate FTP server.
- Implemented an OCR Engine Application to convert images into headline-containing text files.
- Documented configuration, health script, installation, operation guides, and release notes.
- **Skills & Tech:** C#.NET, Win32 API, C++, Windows XP.

Wipro Technologies (Rockwell Automation (USA and India)) | Jul 2004 – Dec 2006

Module Leader - RSTestStand Migration

- Worked for the Automation division of Rockwell, developing RSTestStand, a design tool for describing automation processes like assembly lines with conveyer belts and robotic arms.
 - RSTestStand Enterprise replaced field inputs and outputs to PLC with a process simulation, enabling interactive development and testing of control programs on desktop.
 - Studied migration issues from VC++/Win32 applications to C#.Net.
 - Developed a prototype for proposals using C/C++ and Visual C# .NET.
 - Programmed the flowchart module using C#.
 - Responsible for defining the statement of work for estimating project schedule and cost.
 - Prepared system specifications documentation to understand minute project details.
 - Responsible for software requirements documentation.
 - Involved in architectural designs, implementation, and deployment.
 - Responsible for modifying existing software for bug fixes using the Visual C++ codebase.
 - **Skills & Tech:** C#.NET, Wn32, Visual C++ (6.0), MFC, Windows XP, COM.
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Education

- **BE, Computer Technology, Nagpur University, India – 2003**