

Rahul Joshi

Software Engineer

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Forward-thinking and dynamic professional with hands-on experience in software engineering, front-/back-end, full-stack development, as well as team-building and leadership. Success in directing full life cycle of software and full-stack development processes, including requirements engineering, design, coding, testing, debugging, and maintenance. Highly skilled in resolving technical issues, devising technical solutions, and helping teams to achieve shared visions and goals. Well-versed in software development, web services, database management, as well as system and data analysis. Fast learner with proven ability to quickly master new programming languages, frameworks, tools, and client systems and software. Expertise in agile methodology, API integration, full stack architecture, integration testing, and CI/CD pipeline.

Technical Proficiencies

Programming Languages:	JavaScript, HTML, CSS, Python, SQL, Ruby
Frameworks/Libraries:	React.js, Redux, React Query, FastAPI, Tailwind, Recoil.js, Express.js, Node.js, Ruby on Rails, Django
Tools/Services:	PostgreSQL, MySQL, MongoDB, Docker, CircleCI, Pytest, AWS S3, AWS SES, AWS CloudWatch, AWS Lambda

Experience Highlights

Market (fka Trust.co), Remote

2021 – 2023

Software Engineer II (2022 – 2023)/Software Engineer I (2021 – 2022)

Developed core full-stack features with React, FastAPI, and third-party integrations for multiple financial applications. Implemented third-party API integration with Stripe, Plaid, AWS, and Middesk. Developed and proposed testing suites for four core objects in back end. Restructured front-end querying implementation with 40-50 restructured API calls total, containing 10 core objects with 4-5 separate API calls per object. Built four main views in V1 of the company's main financial product.

- Increased application efficiency via consistent process improvement, including full-text search for internal tools that resulted in reducing search time by 50%.
- Built over 50% of full stack prototype of financial product for high-value clients to secure six verbal/formal agreements of product integration into Client Company's workflow.

University of Southern California (USC), Los Angeles, CA

2017 – 2021

Electrical Engineering

Studied multiple courses, including Data Structures & Object-Oriented Programming, Discrete Methods in Computer Science, Full-Stack Web Development, Software Design for Electrical Engineers, Distributed Systems for the Internet of Things, Embedded Systems Design Laboratory, and Computer Systems Organization.

- Completed Bachelor's degree in Electrical Engineering.

AgilePoint, Mountain View, CA

2019

Proprietary Platform Testing Intern

Streamlined end-to-end event planning for client organizations by studying and evaluating third-party integration with APIs, such as Eventbrite. Added custom code blocks into low-code platform to design form-based application that created required documents for non-profit organizations to book venues for events.

- Designed and introduced three automated applications integrating REST APIs.
- Reduced processing time by 66% for non-profit clients as proactive member of five-person automation team.

Relevance Labs, San Jose, CA

2018

DevOps Intern

Tested application deployment by using Docker Compose/Swarm as well as established multi-node Kubernetes Clusters with resiliency testing. Planned and organized monthly meetings with lead engineers to present test results. Used Python to parse JSON/CSV Inventory file comprising details about Compute, Storage, and basic Networking information. Gained and utilized substantial knowledge of Docker Compose, Docker Swarm Clusters, and Kubernetes.

- Developed a proof of concept to demonstrate Data center migration to Cloud using Terraform for Infrastructure Provisioning.

Additional Experience

Full Stack Developer/Content Designer, Evolve, Remote

Software Engineering Fellow, General Assembly, Remote

Teaching Assistant & Content Designer, CS@SC Camps, Remote

Education

Bachelor of Science in Electrical Engineering

University of Southern California (USC), Los Angeles, CA, 2021

Licenses & Certifications

Software Engineering Immersive Certificate, General Assembly, Remote, 2021

Triplebyte Certified (Topics: React, Algorithms & Data Structures, Back-end, Front-end, and General Coding Logic)

Key Projects

TalenTree App

- Designed and coded website to allow teachers in creating and organizing one-on-one classes with students by using React on Rails stack over 10 days with 57 commits to Github.

Wine Community App

- Developed an app in close collaboration with three members by using MERN stack to assist people in rating and reviewing wine, as well as strengthening interaction with multiple wine reviewers on app via comments.