

Abhijit Hanumeswara Kulkarni

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Education

University of Southern California (Master of Science in Computer Science, GPA: 3.67/4.00) **Aug 2024 - May 2026 (Expected)**

Relevant Courses: Analysis of Algorithms, Multimedia Systems Design

Los Angeles, CA, USA

Skills

Languages & Frameworks: Java, JavaScript/TypeScript (ES6), HTML, CSS, React, Angular, Vue.js, Spring Boot, NestJS

Databases & Messaging: PostgreSQL, MySQL, MongoDB, Firebase, Kafka, Redis

Tools & Monitoring: Grafana, Prometheus, Git, JIRA, LaunchDarkly, REST, GraphQL, Postman

DevOps & Cloud: Docker, Jenkins, AWS, Firebase

Work Experience

SnapRefund Inc.

Jun 2025 - Present

Software Engineer Intern

Los Angeles, CA, USA

- Crafted a role-based Identity and Access Management (IAM) system with **PostgreSQL**, **NestJS**, **Vue.js**, and **Nuxt**, cutting user onboarding time by 80% through dynamic role/permission management and automated flows
- Managed environment variables and email templates with **AWS Session Manager** and **AWS Console**, streamlining deployment workflows and simplifying dynamic content updates

Morgan Stanley

Jun 2021 - Jul 2024

Senior Software Engineer

Bangalore, KA, India

- Designed a real-time revenue dashboard built with **Spring Boot**, **React** and **Highcharts**, contributing to a 70% increase in revenue through data-driven insights for the investment representatives
- Architected **Blesk**, a modular wrapper library utilizing **window.postMessage** for secure inter-widget communication, shortening integration time by 30%, and driving adoption across multiple teams within the department
- Spearheaded reusable UI component development styled via **Stencil JS** and **Tailwind CSS**, accelerating feature delivery by 90%
- Developed interactive features such as Save View, Theme Switcher, and Preferences using **React**, **MongoDB**, and **Spring Boot**, supporting persistent personalized layouts across sessions and boosting user efficiency by 50%
- Adopted **LaunchDarkly** across frontend and backend services to facilitate real-time feature flagging with approval workflows, minimizing deployment risk by 75% and supporting controlled, audit-friendly rollouts at scale
- Mitigated unnecessary re-renders by transitioning from **React Context API** to **Redux**, elevating UI responsiveness by 70%
- Implemented a centralized Notification Center powered by **Kafka** and **Redis** for async message delivery and low-latency rendering, preventing missed critical alerts and boosting user satisfaction scores by 80%
- Achieved over 80% test coverage across frontend and backend codebases employing **JUnit**, and enforced mandatory test checks via **Jenkins** CI/CD pipelines, strengthening regression safety and cutting production defects by 50%
- Mentored a team of 3 junior engineers in performance profiling leveraging **Chrome DevTools**, **Grafana**, and **Prometheus**, driving a 45% improvement in widget render times and API responsiveness
- Directed a cross-functional team of 10 engineers, collaborated with product managers in **Agile** ceremonies, resulting in a 200% increase in team velocity through iterative delivery and continuous feedback loops
- Delivered a gamified onboarding experience through a **React**-based **Broken Mario** tool integrated with backend **REST APIs**, enabling new hires to explore workflows, debug challenges, and understand system architecture, accelerating ramp-up time by 60%
- Documented legacy systems and new service workflows, establishing a sustainable knowledge base for ongoing and future teams

Morgan Stanley

Jul 2020 - Jun 2021

Software Engineer

Bangalore, KA, India

- Championed micro-service and micro-frontend adoption via **Spring Boot** and **Webpack Module Federation**, unlocking independent deployments, mitigating single points of failure, and fortifying system resilience
- Utilized **Tailwind CSS** and **Shadow DOM** to deliver fast, modular, visually consistent UI components, reducing style conflicts
- Introduced **OpenID Connect (OIDC)** authentication with **JWT** tokens in **Spring Boot**, replacing legacy cookie-based SSO and decreasing login latency by 30% through stateless session management
- Rolled out a lightweight feature toggle mechanism in **MongoDB** and **Java**, enabling safe activation of production features
- Authored Swagger-documented REST APIs for layout settings (tab/tile), enhancing backend support for customizable UI widgets

Technical Projects

Personal Portfolio | React, Typescript, HTML5, Tailwind CSS, Github Pages | approx. 20 hours

- Created an interactive portfolio website in **React** and **TypeScript** using a component-based architecture, deployed via **GitHub Pages** for seamless updates and feature expansion | [Live Demo](#)