

# Abhijit Hanumeswara Kulkarni

213-275-7030 | hanumesw@usc.edu | linkedin.com/abhijit-h-kulkarni | github.com/abhijithanumeswarakulkarni

## Education

|                                                                                                       |                                      |
|-------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>University of Southern California</b><br>Masters of Science in Computer Science (GPA: 3.67 / 4.00) | Expected May 2026<br>Los Angeles, CA |
| • Relevant Coursework: Analysis of Algorithms, Autonomous Cyber Physical Systems (Python)             |                                      |

## Experience

|                                                                                                                                                                                                                                                         |                                       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| <b>SnapRefund Inc.</b><br>Software Engineer Intern                                                                                                                                                                                                      | Jul 2025 – Present<br>Los Angeles, CA |
| • Crafted a role-based Identity and Access Management (IAM) system with PostgreSQL, NestJS, Vue.js, and Nuxt, cutting user on-boarding time by 80% through dynamic role/permission management and automated flows                                       |                                       |
| • Led the team in integrating automated unit and integration testing using Vitest and Playwright into the CI/CD pipeline, which boosted code coverage to 50% in 4 weeks                                                                                 |                                       |
| <b>Morgan Stanley – Accolite Digital</b><br>Senior Software Engineer                                                                                                                                                                                    | Jul 2021 – Jun 2024<br>Bangalore, KA  |
| • Designed a real-time revenue dashboard in Spring Boot, React, and Highcharts, contributing to a 70% increase in revenue through data-driven insights for the investment representatives                                                               |                                       |
| • Built and maintained a shared library of StencilJS and Tailwind components used across 5+ internal apps, driving UI consistency and speeding up feature delivery time by 90%                                                                          |                                       |
| • 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 roll-outs at scale                            |                                       |
| • 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 decreasing production defects by 50%                       |                                       |
| • Led performance profiling with DevTools, Grafana, and Prometheus, bringing down UI and API latency by 45%                                                                                                                                             |                                       |
| • 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% |                                       |

|                                                                                                                                                                                                                        |                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>Morgan Stanley – Accolite Digital</b><br>Software Engineer                                                                                                                                                          | Jul 2020 – Jun 2021<br>Bangalore, KA |
| • Championed micro-service and micro-frontend adoption via Spring Boot, React, and Webpack Module Federation, unlocking independent deployments, mitigating single points of failure, and fortifying system resilience |                                      |
| • Rolled out a lightweight feature toggle mechanism in MongoDB and Java, enabling safe activation of production features                                                                                               |                                      |

## Projects

|                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal Portfolio</b>   React, TypeScript, HTML5, Tailwind CSS, Github Pages   <a href="#">Repository</a>   <a href="#">Live Demo</a>                                          |
| • Created an interactive portfolio website in React and TypeScript using a component-based architecture, deployed via GitHub Pages for seamless updates and feature expansion      |
| <b>AI Debug Assistant</b>   Python, JavaScript, Svelte, FastAPI, Vercel   <a href="#">Repository</a>   <a href="#">Live Demo</a>                                                   |
| • Developed an AI-powered debugging assistant that parses error logs and returns plain-English explanations, code fixes, and curated external resources backed by Groq-hosted LLMs |

## Technical Skills

|                                                                                                 |
|-------------------------------------------------------------------------------------------------|
| <b>Languages &amp; Frameworks:</b> TypeScript, React, Vue.js, NestJS, Java, Spring Boot, Python |
| <b>Databases &amp; Messaging:</b> PostgreSQL, MySQL, MongoDB, Redis, Kafka                      |
| <b>Testing &amp; CI/CD:</b> Vitest, Jest, Playwright                                            |
| <b>DevOps &amp; Cloud:</b> Docker, AWS, Jenkins, GitHub Actions                                 |
| <b>Tools &amp; Monitoring:</b> Grafana, Prometheus, Postman, REST, GraphQL, JIRA                |