

Abhijit Hanumeswara Kulkarni

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EDUCATION

Master of Science in Computer Science, University of Southern California
GPA: 3.5/4.0

Expected May 2026

SKILLS

Programming: Typescript, HTML/CSS, Java, Python, SQL
Frameworks/Libraries: React, Angular, Spring Boot, Redux, Tailwind CSS, Stencil, Highcharts
Tools and Databases: Docker, Jenkins, Git, JIRA, LaunchDarkly, MySQL, MongoDB, PostgreSQL

EXPERIENCE

Senior Software Engineer

Morgan Stanley

Jul 2021 - Jun 2024

Bangalore, KA, India

- Implemented data visualization tools with **Highcharts**, directly contributing to a 70% revenue increase by facilitating data-driven insights
- Spearheaded adoption of React Tour, User Preferences, and Theme Switch to streamline on-boarding processes, achieving an 80% improvement in user satisfaction scores
- Leveraged **React** and **Stencil** Web Components to maximize re-usability, accelerating feature roll-out by 90%
- Optimized logging with **SLF4J**, refining log consistency by 50% and streamlining troubleshooting
- Integrated **Grafana** and **Prometheus** for real-time performance monitoring, Supporting proactive alerting, leading to a 40% drop in system downtime through improved observability and real-time insights
- Delivered 80%+ **JUnit** test coverage, lowering production defects by 50% and reinforcing code reliability
- Directed cross-functional team efforts, boosting productivity by 200% through agile methodologies and stakeholder collaboration

Software Engineer

Morgan Stanley

Jul 2020 - Jun 2021

Bangalore, KA, India

- Championed micro front-end architecture through **Module Federation**, elevating developer efficiency by 90% and fostering seamless integration across teams
- Built user-centric features with **React Grid Layout** and **MongoDB**, amplifying efficiency by 50%
- Constructed micro-service architecture using **Java** and **Spring Boot** allowing seamless service scalability while reinforcing fault detection, resulting in a 30% increase in system dependability
- Secured user authentication by implementing **JWT** tokens and **OpenID Connect (OIDC)**, strengthening access control and curbing unauthorized access by 35%
- Uplifted application scalability and reliability through **load-balancing** strategies across multiple server instances, optimizing traffic distribution, reducing response times by 40%

Software Engineer Intern

Juspay Technologies

Jan 2020 - Jun 2020

Bangalore, KA, India

- Crafted a Single Sign-On solution with **Haskell** and **JavaScript**, cutting authentication times by 40%
- Enhanced web app performance by integrating **MongoDB** and **Node.js**, decreasing REST API call times by 80%

PROJECTS

Video Compressor — Python, PyTorch, Numpy, OpenCV, PyGame — approx. 40 hours

- Developed a video compressor tool that applied ML models (Deeplab, OpenCV) for foreground-background segmentation and achieved 80% file size compression while preserving quality
- Designed an interactive video player on PyGame, enabling play, pause, and seek functionality