

Greeshma Mahadeva Prasad

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WORK EXPERIENCE

Motorola Solutions, San Francisco Bay Area

Aug 2019 – Present

Senior Software Engineer (Java, Angular, Node.js, Python, Docker, Kubernetes, Azure)

Common Services

- Led end-to-end feature development for a public safety application in an Agile environment, owning architecture, design, implementation, testing, and production support.
- Developed and optimized RESTful microservices to manage device and unit interactions (e.g., radio-to-unit assignments, real-time geolocation from emergency events).
- Reduced service response times by 90% through query optimization and caching, significantly enhancing responsiveness.
- Collaborated with product, QA, support, and security teams to deliver scalable, secure, and reliable services in mission-critical environments.
- Implemented UX improvements based on user feedback, increasing operational efficiency for frontline users.
- Redesigned the frontend architecture to support scalable multilingual experiences, enabling seamless localization across global markets.
- Built backend APIs to support authentication workflows by validating device existence and registration status, enabling seamless and secure device authentication across services.
- Added backend and UI support for diverse media devices (e.g., body-worn cameras, in-car video systems), including import/export workflows, configurable data scheduling, and timer-based operations to improve system flexibility and scalability.
- Served as the team's primary point of contact for deployment stability and security automation, implementing Azure pipeline-based vulnerability scans and improving operational efficiency and compliance.

Identity and Access Management

- Delivered real-time cloud solutions supporting company-wide Single Sign-On (SSO) services for internal and customer-facing applications.
- Led development of a Python-based automation toolkit, reducing manual support effort and mean time to resolution.
- Designed and built a Node.js synthetic testing service to monitor SSO critical paths, improving uptime and reducing incident response times.
- Created a session tracking mechanism for activity-based session revocation, enhancing security and compliance.
- Built production-ready Dockerized applications and managed end-to-end deployment to Kubernetes, integrating automated CI/CD pipelines using Azure DevOps.

Hewlett Packard Enterprise, Bengaluru, India

Aug 2015 – Jul 2017

System Software Engineer (Java, HTML, CSS, JavaScript, REST)

- Developed Java RESTful API for HPE 3PAR arrays, to provide integration of storage arrays with VMware vCenter and enabled provisioning operations like datastore creation and datastore expansion.
- Redesigned product UI during upgrade from Flex to HTML5, reducing response time by 50%.
- JUnit testing using Mockito framework to write unit test cases, increasing the code coverage to 85% from 40%.

Hewlett-Packard, Bengaluru, India

Jan 2015 – May 2015

Software Engineering Intern (Java)

Implemented a test automation framework in Java for HP XP Performance Advisor, a performance data tracking application for HP enterprise storage array, XP.

SKILLS

Languages: Java, Python, C, C++, C#

Web and Frontend: HTML, CSS, JavaScript, TypeScript, Angular, D3.js

Backend & Tools: Spring, Node.js, REST, OpenAPI, JUnit, Git, Maven, Android

Databases & Cloud: PostgreSQL, MySQL, MongoDB, Redis, AWS, Azure (CLI, DevOps, PowerShell)

DevOps & Monitoring: Docker, Kubernetes, CI/CD, Elastic Stack, Kibana, Grafana, Datadog

EDUCATION

Master of Science, Computer Science

University of Utah, Salt Lake City, UT

Bachelor of Engineering, Information Science

BMS College of Engineering, Bengaluru, India