

Kaustubh Deokar

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Experience

Siemens Digital Industries Software, Hyderabad, IN

Associate Lead Software Engineer

Jan 2023 - Present

- **OAuth 2.0:** Integrated OAuth authorization support across three product suites, utilizing dockerized Keycloak for validation/testing.
- **Licensing:** Implemented a centralized licensing approach for three suites, replacing fragmented methods. Integrated a piracy reporting toolkit, resulting in a 20% increase in piracy incident identification and reporting.

Senior Software Engineer

Jan 2022–Dec 2022

- **Auto-update:** Led the migration from Jetty Server, ActiveMQ, and Getdown to RabbitMQ for rolling out user updates. Accelerated update process speed by 30%, introduced cross-OS compatibility, and implemented a failover mechanism with RabbitMQ clustering for enhanced reliability.
- **Product Rebranding efforts:** Adhered to Siemens guidelines and coordinated sub-stories to support full-stack development, including changes in: **Database (DB)** - Upgraders (programs/scripts for backward compatibility support), **Object Model** - Low-level code changes, product naming, and Ribbon Interface enhancement affecting all suites products, **User Interface (UI)** - JavaScript Login Screen.

Software Engineer

July 2020–Dec 2021

- **Security:** Restructuring access to entities based on a framework level. Includes modifying legacy code over 10+ years.
- Writing **unit and integration tests** improving code branch coverage for user management product from 55% to > 90%.
- **Managing and re-structuring** software deployment for on-premises platforms for 4 monolith products using Gradle, Jenkins pipelines and 3rd party software Reverera.

Software Engineer - Intern

Dec 2019–Jun 2020

- Enhanced an existing automation framework by adding functionality to capture and serialize requests/responses. Developed a process to deserialize these request/response files and batch run over 100 sessions for stress testing the tool. Utilized a load balancer framework to evaluate request distribution and determine the tool's load-handling capacity.

Skills

Programming Languages: Java, Python, C++, JavaScript

Frameworks/Libraries: Spring Boot, JUnit, React, Flask, REST APIs

Tools and Technologies: Docker, Kubernetes, AWS, RabbitMQ, Postman, Git, Bitbucket

Databases: PostgreSQL, MongoDB, S3 **Build Tools:** Gradle, Maven, CMake

Projects

Open Source Contribution Hacktoberfest, TechNexus

- Integrated the open-source Leaflet Maps library into a website for discovering tech events. Implemented functionality to search nearest events, filtering using spatial indexing.
- Technologies: NodeJs, ReactJS, Postgres, PostGIS

OmniHRM - Human Resource Management Tool Git Youtube Live Deployment DigitalOcean

- Developed a full-stack HRM tool with features including employee management, leave application, timesheet, goal tracking, and attendance. Automated CI/CD pipeline via GitHub Actions, creating Docker images deployed on Digital Ocean
- Technologies: MongoDB, Spring Boot, ReactJS, Docker, GitHub Actions

Blogging Site Project Link

- Developed a blogging application with features such as topics and posts management, user subscriptions, voting, authentication and scalable comment storage in MongoDB.
- Technologies: Spring Boot, React, MySQL, MongoDB, Docker

Education

Vellore Institute of Technology, Vellore

B.Tech, Computer Science and Engineering - 9.03/10

TamilNadu, India

2016–2020

Accomplishments

AWS: Cloud Practitioner Certification

Paper presentation at Siemens Internal Technical Conference 2021: Developing Framework for Stress Testing the software.

Hackerrank - 5* badges and certifications in Java, Problem Solving, Python and C++. **Profile URL**

Certifications from MongoDB, IBM - Microservices. **URL** Certifications in REST API's and SQL. **URL**

Recipient of VIT Annual Scholarship, for securing AIR rank under 5k and maintaining excellent academic performance at VIT Vellore.