Ajita Shrivastava

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> Software engineer with 3+ years of experience at SAP Labs, specializing in Java, Python, JS, Spring Boot and Agile methodologies. Skilled in full stack development, cloud platform integration, and cross-functional collaboration.

TECHNICAL SKILLS

Languages: Java, Python, C, C++, HTML, CSS, JavaScript, Groovy, Pascal, Terraform, PHP, SQL, NoSQL
Databases: MySQL, Oracle, PostgreSQL, InfluxDB, SAP HANA, MongoDB
Cloud: Azure IAAS, Google Cloud, SAP Cloud Platform Integration, SAP Analytics Cloud
Tools/Concepts: Git, Jenkins, CI/CD, JUnit, Visual Studio Code, IntelliJ, Postman, Grafana, Splunk, Microsoft Suite, JIRA, Microservices, REST, Agile Methodologies, Scrum and Kanban, SDLC

EDUCATION

San Jose State University - Master of Science in Computer Science   **2024**
Birla Institute of Technology and Science - MTech in Software Engineering   **2021**
Rajiv Gandhi Proudyogiki Vishwavidhyalaya - BTech in Information Technology   **2019**

Relevant coursework: *Distributed Systems, Big Data, Information Retrieval: Search Engines, Software Architectures, Data Structures and Algorithms, Cloud Computing, Object Oriented Programming, Operating Systems, Networking*

WORK EXPERIENCE *(~3 years)*

SAP Labs India – Software Development Engineer   **Aug 2019 - Jul 2022**

Project: *Logistics Business Network*
- Enhanced connectivity for a Spring Boot microservices application with HANA (relational database) using Java and JavaScript, adding 100+ business partners through new authentication method APIs. Wrote all JUnit tests for the application backend.
- Collaborated with cross-functional teams to develop a cloud platform integration flow using Groovy, by participating in design discussions, code reviews, architecture discussions. Facilitated seamless client connectivity to business network applications.
- Developed a Python dashboard to extract and analyze real-time logistics metadata from a database using SQL. Automated visualizations displaying key metrics derived from data modeling of over 10,000 daily messages across 110+ customers.

Project: *Digital Manufacturing Cloud*
- Implemented Python DevOps automations, including cloud service-repository mapping across organizations, database health report generation from metadata, and automated IAAS provisioning using Terraform, resulting in a 30% increase in efficiency.
- Developed and presented a customized Identity Access Management solution leveraging role-based access control in Azure, which was crucial in leading the team's transition to the platform. Researched Google Cloud as an alternative.
- Implemented ABAP scripts for health monitoring of HANA databases, enabling automated diagnostics and performance tracking.

PROJECTS

PHP Web Server and Routing Engine, SJSU   **Aug 2023 - Present**
Designed a minimal-dependency PHP server and routing engine, featuring HTTP/2 support with custom framing and compression, along with SMTP and IMAP mail protocol implementations.

Java Based Compiler, SJSU   **Aug 2022 - Nov 2022**
Designed and developed compiler for a self-invented language ChucK similar to java: an object-oriented language designed specifically for cipher-based security encompassing features for encryption and string analysis.

Transport Application Portal, SAP ONE   **Mar 2020 - May 2020**
Developed a javascript website with nodeJS backend to consolidate 4 transportation vendors and 13 services: handling 1000+ concurrent visits, featuring access management capabilities with separate front-end user interfaces for administration and employees.

LEADERSHIP EXPERIENCE

- Invited in Google's Cloud Next conference 2023 as one of the 200 Student Innovators, with a focus on Gen AI advancements.
- Appointed trainer for new hires for courses: 'SQL with HANA database', 'Effective Code Testing and Review' at SAP Labs, India.
- Mentored 14 new hires as Talent Marketplace Buddy for the Vocational Training Team at SAP Labs, India.
- Led the winning team at Innovision 2K20 Hackathon organized by SAP Labs, India.
- Served as the Head Editor of Content for What'SAP Scholars Newsletter at SAP Labs, India.
- Appointed leader for university team in Smart India Hackathon at Rajiv Gandhi Proudyogiki Vishwavidhyalaya.