

SAI POORNIMA LINGALA

PHOENIX, AZ | +1 623-281-5349 | saipoornima1975@gmail.com | [GitHub](#) | [LinkedIn](#)

SUMMARY

I am a proficient Java Developer with extensive experience in creating and maintaining enterprise applications using Spring Boot, Spring MVC, and Hibernate. Proficient in front-end technologies such as HTML5, CSS3, JavaScript, React, and Bootstrap, ensuring intuitive and responsive user interfaces. Experienced in database management with PostgreSQL, MySQL, and MongoDB, and adept at leveraging AWS cloud services (EC2, S3, RDS) for scalable solutions. Skilled in implementing CI/CD pipelines using Jenkins and Docker to enhance deployment efficiency. Committed to optimizing performance and security through best coding practices, testing frameworks (JUnit, Selenium), and continuous integration methodologies.

TECHNICAL SKILLS

| | |
|--------------------------|--|
| Languages: | Java, Python, JavaScript, SQL, C++, HTML5, CSS3, Shell Scripting, Linux/Unix |
| Frameworks: | Spring Boot, Spring MVC, Hibernate, Spring JPA, JDBC, Junit, TestNG, Mockito, Log4j |
| Web Technologies: | Node JS, React JS, Express JS, Vue JS, REST API, jQuery, Servlet, Bootstrap, Angular. |
| Databases: | PostgreSQL, MySQL, Oracle DB, SQL Server, MongoDB, Kafka, RabbitMQ |
| DevOps: | Git, Docker, Jenkins, Harness, Kubernetes, Terraform, Maven, Postman, Jira |
| Cloud: | AWS (EC2, S3, VPC, IAM, RDS, Lambda, Cloud Watch), Azure, Object Oriented Programming, Data Structures |

EDUCATION

| | |
|--|-----------------------------|
| Arizona State University, Tempe, AZ | Aug 2022 – May 2024 |
| Master of Science in Information Technology Management | GPA:4.0 |
| Sastra University | June 2017 – May 2021 |
| Bachelor's in Electronic and Communication Engineering | GPA:3.90 |

PROFESSIONAL EXPERIENCE

| | |
|---|----------------------------|
| Glorium Technologies, USA | Jan 2024 – Present |
| Java Developer | |
| <ul style="list-style-type: none">Developed a custom ORM application using Spring Data JPA and Hibernate to automate data generation for integration testing.Implemented secure authentication with Spring Security, reducing login time by 30% via role-based access control.Improved API security with OAuth, JWT, and role-based authorization, reducing data integrity vulnerabilities by 95%.Administered and maintained Linux/Unix servers, ensuring system stability, performance, and security.Designed RESTful APIs with Spring Boot, enhancing efficiency by 25% for seamless front-end integration.Improved user interfaces using HTML, CSS, JavaScript, React, Node.js, JSP, and Bootstrap for more responsive designs.Accelerated data retrieval by 35% with optimized SQL queries and hibernating, improving database interaction speeds.Achieved high application uptime by leveraging AWS services such as EC2, S3, and RDS for reliable cloud deployment.Reduced deployment time by 40% through CI/CD pipeline automation with Jenkins, streamlining build and deployment processes. | |
| L&T Technology Services, India | Jun 2021 – Jun 2022 |
| Associate Software Engineer | |
| <ul style="list-style-type: none">Developed enterprise-level applications using C# and the .NET Framework, focusing on modular design and high performance.Designed and implemented test automation frameworks using JUnit, TestNG, and Selenium, cutting manual testing efforts by 60% and improving code quality.Reduced bug occurrence by 30% through the consistent use of TDD, catching potential issues early in the development cycle.Worked closely with front-end developers to integrate Java-based back-end services with user interfaces, utilizing technologies such as React, Node.js, and Bootstrap for dynamic and responsive web applications.Designed and optimized SQL queries in PostgreSQL, MySQL, and Oracle DB, ensuring efficient data retrieval.Used Git for version control and GitHub for team collaboration, improving code collaboration efficiency by 25% and project management effectiveness by 20%. | |
| Citus Infortech, India | Jan 2020 – May 2021 |
| Java Developer | |
| <ul style="list-style-type: none">Developed enterprise-level applications using J2EE technologies, including Servlets, JSP, EJB, and JMS, ensuring scalability and robustness.Used JavaBeans to implement data transfer objects (DTOs) for efficient data exchange between different application layers.Integrated JavaBeans with J2EE frameworks, such as Spring and Struts, for building robust enterprise applications.Led the development of microservices architecture using Spring Boot, significantly improving modularity, scalability, and ease of deployment for enterprise applications.Improved multi-threading efficiency by 25% using the Executor framework in Java to handle concurrent tasks effectively.Integrated third-party services and APIs with .NET, including authentication, payment processing, and messaging services.Developed front-end web applications using Angular, Vue.js focusing on modular and component-based architecture.Optimized MongoDB performance through query tuning, index management, and schema design adjustments.Containerized applications using Docker, enabling consistent environments across development, testing, and production.Automated tasks using shell scripting (Bash), improving efficiency in system administration, log management, and data processing.Designed and implemented cloud infrastructure using Azure services such as Azure Virtual Machines, Azure Storage, and Azure SQL Database for scalable and cost-effective solutions. | |

PROJECTS

AWS Capstone Project

- Designed and implemented a scalable cloud architecture using AWS services, including EC2 for computing, RDS for database management, and S3 for file storage, ensuring high availability and security.
- Configured a LAMP stack (Linux, Apache, MySQL, PHP) and integrated it with AWS Systems Manager for efficient deployment and management of applications.
- Implemented a bastion host and custom Amazon Machine Images (AMIs) to enhance security and streamline the deployment process, ensuring robust and cost-effective cloud solutions.

Weather App Project

- Developed a weather application that pulls real-time weather data from an external API, allowing users to search for current weather conditions by city.
- Implemented a responsive user interface using HTML, CSS, Node.js and JavaScript, providing users with an intuitive experience and options for a 5-day weather forecast.
- Utilized modern JavaScript libraries and frameworks to enhance user interaction, ensuring efficient data retrieval and display of weather icons for better visualization.

E-commerce Application Development

- Designed a flexible product catalog using Java, Spring Boot, and Hibernate, allowing for dynamic product creation, categorization, and inventory management.
- Implemented pagination, filtering, and sorting features for efficient product browsing.
- Designed RESTful APIs for seamless front-end integration and product catalog management.
- Developed a robust shopping cart feature that supported adding, updating, and removing items, with automatic price recalculations and inventory checks.
- Implemented secure user authentication and authorization using Spring Security, supporting multiple user roles such as admin, seller, and customer.
- Ensured the application was fully responsive using Bootstrap and Tailwind CSS, delivering a seamless experience across desktop and mobile devices.

Sybil Attack Detection in Network Environments

- Developed machine learning models to detect Sybil nodes in network environments, achieving over 90% accuracy in identifying malicious nodes.
- Leveraged Received Signal Strength Indication (RSSI) data and implemented algorithms such as Random Forest and Support Vector Machines (SVM) for enhanced detection accuracy.
- Conducted automated testing to evaluate the system's performance across various network conditions, contributing to improved network security and integrity.