

Sai Siddharth Patwari

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OBJECTIVE

Senior Software Developer with 7+ years of experience designing and building enterprise-level applications in banking and financial services. Extensive expertise in Java, Spring Boot, and JavaScript frameworks (React, Angular). Proficient in the full SDLC, cloud technologies (AWS, Azure), and microservices architecture, ensuring scalable and robust solutions.

PROFESSIONAL SUMMARY

- Extensive experience in Java/J2EE development, including Spring Boot, Spring MVC, Microservices, and REST APIs.
- Expertise in designing React and Angular user interfaces for scalable, responsive applications.
- Strong background in financial and banking domains, handling secure transactions and risk assessment applications.
- Experience in event-driven architecture, implementing Kafka, RabbitMQ for messaging and real-time data streaming.
- Hands-on with AWS (EC2, S3, Lambda, RDS, IAM), Azure, Docker, Kubernetes, and CI/CD pipelines (Jenkins, GitLab, Azure DevOps).
- Strong knowledge of SQL (PostgreSQL, MySQL, Oracle, SQL Server) and NoSQL (MongoDB, Cassandra, DynamoDB) databases.
- Expertise in unit testing, logging, and monitoring using JUnit, Mockito, Cypress, Postman, Log4j, and Splunk.
- Agile development experience, collaborating in Scrum teams with daily stand-ups, sprint planning, and retrospectives.

TECHNICAL SKILLS

Category	Technologies
Programming Languages	Java (8, 11+), Core Java, JavaScript (ES6+), TypeScript, Python, C, C++
Frontend Technologies	React.js, Angular, HTML5, CSS3, Redux, Bootstrap, TypeScript
Backend Technologies	Spring Boot, Spring MVC, Spring REST, Spring Data JPA, Node.js, Express.js, Hibernate, SOAP, GraphQL, Microservices Architecture
Cloud Technologies	AWS (EC2, S3, RDS, Elastic Beanstalk, DynamoDB, CloudWatch), Azure (Virtual Machines, Blob Storage, Service Bus, Kubernetes Service), Docker, Kubernetes, Jenkins, Azure DevOps, Bamboo, GoCD
Databases	MySQL, Oracle, SQL Server, MongoDB, Cassandra, DynamoDB
DevOps & CI/CD Tools	Docker, Kubernetes, Jenkins, Git, Azure DevOps, Bamboo, GoCD
Software Development	Agile, Scrum, Test Driven Development (TDD), Behavior Driven Development (BDD)
Version Control	CVS, Clear Case, GIT
Testing	JUnit, Mockito, Jasmine, Karma, Cypress, Selenium, Postman
Container Orchestration	Kubernetes, Docker Swarm
Build Tools	Maven, Gradle, ANT
IDEs	Eclipse, IntelliJ, RAD, Visual Studio Code, Atom
Logging	Log4j, Slf4j
XML Technologies	XML, XSL, XSLT, DOM, JAXB
Other Tools	JIRA, Fiddler, Firebug, Log4j, ELK Stack (Elasticsearch, Logstash, Kibana)

PROFESSIONAL EXPERIENCE

Client: Deutsche Bank, Dallas, TX

Role: Software Developer | April 2023 – Present

Description:

At Deutsche Bank, I worked on developing a high-performance banking transaction management system. This system facilitates secure real-time transactions, integrates third-party financial services, and ensures compliance with banking security protocols. The project aimed to enhance transaction speed, optimize backend processing, and ensure high availability across multiple banking services.

Responsibilities:

- Designed and developed a high-performance banking transaction system processing millions of secure real-time operations.
- Built and deployed RESTful microservices using Java 11, Spring Boot, and Spring MVC, ensuring modular architecture and service isolation.
- Integrated Apache Kafka to support asynchronous processing, enabling real-time notifications and event handling.
- Developed dynamic UI components using React.js, Redux, and TypeScript to streamline transaction views and dashboards.
- Enhanced application performance by introducing React lazy loading and Suspense, improving user experience.
- Implemented secure authentication and authorization with Spring Security, OAuth2, and JWT tokens.
- Tuned PostgreSQL queries and indexing strategies to reduce processing time by 40%, increasing system efficiency.
- Modeled complex NoSQL data schemas in Cassandra using Spring Data, supporting scalable data storage.
- Built reusable UI components and integrated automated testing using Jest and Enzyme to ensure reliability.
- Automated CI/CD workflows using Jenkins, integrated with Docker images and Kubernetes for seamless delivery.
- Deployed services on AWS (EC2, S3, RDS, CloudWatch), ensuring high availability and fault-tolerance.
- Used ELK Stack for log centralization and real-time application monitoring, enhancing observability.
- Collaborated with cross-functional teams to analyze requirements and implement scalable features.
- Participated in Agile ceremonies including sprint planning, stand-ups, demos, and retrospectives.
- Mentored junior developers in best coding practices, code reviews, and debugging strategies.

Tech Stack: Java 11, Spring Boot, React.js, Redux, Kafka, PostgreSQL, Cassandra, AWS, Docker, Kubernetes, Jenkins, ELK, JIRA

Client: Thomson Reuters – Eagan, MN

Role: Software Developer | *Feb 2021 – Mar 2023*

Description: Built a scalable legal content management system to streamline document ingestion, classification, and secure retrieval. Enabled real-time indexing using Kafka, advanced filtering via GraphQL APIs, and hybrid data storage with PostgreSQL and MongoDB. Focused on performance, security, and seamless integration across platforms.

Responsibilities:

- Led development of enterprise content management systems to process legal documentation across multiple platforms.
- Designed microservices with Spring Boot and Java 11 to manage document ingestion, classification, and retrieval.
- Built GraphQL endpoints to allow clients precise querying and aggregation of legal metadata.
- Created Kafka streams for distributed content indexing, enabling fast and reliable content search.
- Implemented hybrid data storage with PostgreSQL and MongoDB for relational and document-based needs.
- Enhanced platform security by integrating encrypted API layers with OAuth2 and Spring Security.
- Developed REST APIs for internal services and integrated with third-party applications.
- Orchestrated deployments via Azure DevOps and Kubernetes clusters with auto-scaling and load balancing.
- Reduced deployment errors by 60% through automated CI/CD pipelines and testing stages.
- Introduced caching strategies using Redis to improve response time of frequently accessed documents.
- Collaborated with QA for test case creation and defect analysis during sprint testing cycles.
- Created technical documentation for APIs, services, and integration flows.
- Led daily scrum meetings and participated in backlog grooming for task prioritization.
- Ensured high code quality via code reviews, static code analysis, and SonarQube integration.
- Provided KT (knowledge transfer) sessions to new team members to speed up onboarding.

Software Tools: Java 11, Spring Boot, React.js, Redux, Kafka, PostgreSQL, AWS (EC2, S3, RDS, CloudWatch), Jenkins, Docker, Kubernetes, JIRA.

Client: Medstar Health, Columbia, MD

Role: Software Developer | Dec 2018 – Jan 2021

Description:

Developed a patient management system that enhanced appointment scheduling, secure telehealth services, and EHR integration.

Responsibilities:

- Developed a secure, scalable patient management system used across multiple clinics and telehealth platforms.
- Created intuitive UI components using React.js, Redux, and Material UI to support appointment booking and patient engagement.
- Built RESTful APIs in Spring Boot, ensuring secure data handling and HIPAA compliance.
- Integrated RabbitMQ to facilitate event-driven messaging for appointment confirmations and alerts.
- Implemented secure authentication workflows using OAuth2 and JWT to safeguard patient data.
- Managed relational databases with PostgreSQL, performing indexing and query optimization.
- Configured CI/CD pipelines with Jenkins, improving release cycle frequency and reducing deployment time.
- Monitored microservice health using AWS CloudWatch and set up alerts for key metrics.
- Conducted load testing and stress testing using JMeter to validate system stability under peak loads.
- Collaborated with product owners and stakeholders to gather and clarify requirements.
- Documented API endpoints using Swagger/OpenAPI, enabling faster frontend-backend integration.
- Refactored legacy codebase to enhance maintainability and unit test coverage using JUnit and Mockito.
- Maintained Docker containers and performed version control using Git and Bitbucket.
- Worked in Agile sprints; conducted sprint retrospectives and implemented process improvements.
- Created data migration scripts and tools for legacy EHR system integration.

Software Tools: Java 11, Spring Boot, React.js, Redux, RabbitMQ, PostgreSQL, AWS, Jenkins, JIRA.

Client: Citrix Systems, Hyderabad, India

Role: Software Developer | Jul 2017 – Nov 2018

Description:

Developed a virtual desktop infrastructure (VDI) solution for secure remote access and cloud desktop management.

Responsibilities:

- Participated in the development of a virtual desktop infrastructure (VDI) platform for enterprise customers.
- Built Angular dashboards for real-time monitoring of virtual sessions and VM statuses.
- Developed backend microservices in Spring Boot to provision and decommission virtual machines.
- Used Azure Blob Storage APIs to securely store and retrieve session logs and configurations.
- Automated Jenkins pipelines to build and deploy containerized services using Docker.
- Improved test automation coverage with JUnit, Selenium, and integration test suites.
- Enhanced service security by implementing SSL/TLS, authentication layers, and role-based access control.
- Implemented Redis for session caching, reducing database load by 35%.
- Participated in sprint planning, backlog refinement, and estimation using planning poker.
- Conducted peer code reviews to ensure consistency and adherence to coding standards.
- Logged and analyzed production issues using Splunk and debugging tools.
- Documented system architecture and deployment runbooks for DevOps teams.
- Worked closely with QA and DevOps teams to resolve issues in CI/CD pipelines.
- Trained junior engineers on platform architecture, Azure services, and DevOps tooling.
- Delivered sprint demos and provided technical feedback to stakeholders and leadership.

Software Tools: Java 8, Spring Boot, Angular, Azure Blob Storage, Jenkins, Docker, JUnit, Selenium, JIRA.

EDUCATION

University Of North Texas | Texas, Denton

Master's in computer science

Jawaharlal Nehru Technological University | Hyderabad, India

Bachelor's in computer science