ALOK SINHA

Tempe, AZ | (480) 408-8980 | asinha506@gmail.com | LinkedIn

Full Stack Java Developer & Data Analyst | Spring Boot | React | SQL | Python | BI Tools

SUMMARY

Results-driven Full Stack Java Developer and Data Analyst with 4+ years of experience building scalable web applications and transforming complex data into actionable insights. Proven expertise in backend development using Java, Spring Boot, and RESTful APIs, and frontend development with React.js. Strong foundation in data analysis, visualization, and reporting using Python, SQL, Power BI, and Tableau. Adept in Agile environments with a passion for writing clean, maintainable code and delivering data-driven solutions.

SKILLS

- **Languages**: Java, JavaScript, Python, SQL, HTML5, CSS3
- **Frontend**: React.js, Redux, Bootstrap, Tailwind CSS
- **Backend & APIs**: Spring Boot, REST APIs, Node.js, Express.js, JWT, OAuth 2.0
- **Databases**: MySQL, PostgreSQL, MongoDB, Oracle, MS SQL Server
- **Data & Analytics**: Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau, Excel (Power Query)
- **DevOps & Tools**: Git, Docker, Jenkins, GitHub Actions, Postman, Swagger, IntelliJ, VS Code
- **Methodologies**: Agile/Scrum, CI/CD, TDD, MVC, Microservices

PROFESSIONAL EXPERIENCE

Consolidated Edison, New York | **Computer Aide** | **06/24 – 12/24**

- Assisted in creating robust backend microservices using Spring Boot and deployed REST endpoints for internal use.
- Used Power BI and DAX to produce high-visibility management dashboards integrated via SharePoint.
- Queried and normalized large datasets from SQL Server and Oracle for project reporting needs.
- Created and documented internal APIs with Swagger for knowledge transfer and API reusability.
- Worked closely with business analysts to prototype and validate new application features.
- Supported QA automation scripting and log-level error tracking for pre-release builds.
- Created unit and integration test cases for Java components using JUnit and MockMvc.

TATA Consultancy Services Limited, India | **Systems Engineer** | **01/23- 08/23**

- Delivered scalable end-to-end web applications by combining Spring Boot, Hibernate, and React.js for enterprise-grade solutions.
- Engineered RESTful APIs for complex integrations, implementing secure authentication via JWT and OAuth 2.0.
- Translated raw business data into actionable dashboards using Power BI and Python, directly influencing decision-making.
- Utilized advanced SQL (joins, CTEs, window functions) and NoSQL queries to power high-volume reporting pipelines.
- Developed CI/CD pipelines with GitHub Actions and Jenkins, enabling weekly deployments with near-zero rollback.
- Wrote reusable and testable code, maintaining 90%+ test coverage with JUnit, Mockito, and Cypress.
- Created centralized Redux-based state management for seamless UI consistency across dynamic React apps.
- Collaborated with cross-functional teams (QA, DevOps, Product) in Agile ceremonies to streamline feature rollouts.
- Mentored two junior developers on full-stack design patterns and best practices.
- Analyzed backend latency and performed performance tuning, reducing API response times by 35%.

Atmecs Global, India | **Associate Software Engineer** | **06/20-12/22**

- Built and deployed customer-facing SPAs using React, RESTful APIs, and Spring Boot microservices.
- Automated ETL workflows using Python (Pandas, SQLAlchemy) for daily ingestion from flat files, APIs, and databases.
- Conducted advanced analytics including cohort analysis and churn prediction, delivering insights in Tableau and Excel.
- Developed Kafka-based messaging components to ensure real-time communication between internal services.
- Used Docker for containerized environments and Git for managing release cycles and code branching.
- Integrated OpenAPI/Swagger documentation to streamline API handoffs with frontend and QA.
- Delivered monthly reports and ad hoc analysis for marketing and business development teams.
- Participated in architecture review boards and proposed enhancements to increase system resilience.
- Refactored legacy codebase, cutting down technical debt by 30% and improving maintainability.
- Regularly conducted peer code reviews, elevating team-wide code quality standards.

CERTIFICATIONS

- **Java Bootcamp** – LearnCodeOnline.in (Credential ID: 3809009141202410448)
- **Introduction to AI and Machine Learning on Google Cloud** – Coursera, Google Cloud (Issued: April 2025)

EDUCATION

MS In Information Technology, Arizona State University**, Tempe AZ

BS in Electronics and Telecommunication, BIT Raipur