

Sai Pranith Arandkar

Full Stack Developer | Java | Spring Boot | Angular | AWS

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Profile Summary

- Full Stack Developer with over 2 years of hands-on experience building and deploying scalable web applications using **Java**, **Spring Boot**, **Angular**, and **AWS**. Proven ability to deliver production-ready features in high-paced Agile environments.
- Strong backend development expertise in building **RESTFUL APIs**, integrating **MySQL**, and **MongoDB** databases, and implementing reusable service layers for modular applications.
- Skilled in frontend development using **Angular**, **HTML5**, **CSS3**, **TypeScript**, and **Bootstrap**, with a focus on creating responsive, mobile-friendly user interfaces and optimized UX flows.
- Deep understanding of **Agile practices**, **secure coding**, and **API security** using **OAuth 2.0** and **JWT**; committed to writing clean, maintainable code that meets enterprise security standards.

Technical Skills

Programming Languages: Java, JavaScript, TypeScript, C#, SQL, HTML, CSS

Databases: MySQL, MongoDB

Frameworks & Libraries: Spring Boot, Angular, Hibernate, JUnit, Bootstrap, Postman

Cloud Platforms & Services: AWS (EC2, RDS, S3), GitHub Actions, Jenkins, RIO (Release Integration Orchestrator), CI/CD, Git

DevOps & CI/CD: RESTFUL APIs, Microservices, Spring Security, JSON

Testing & Monitoring: JUnit, Postman, Splunk, Swagger UI

Security & Compliance: OAuth2, JWT, Secure SDLC, Encryption, SSL, TLS

Emerging Technologies: Generative AI, Spring AI, Prompt Engineering

Work Experience

Graduate Assistant – Administrative & Teaching

May 2024 – Apr 2025

Northwest Missouri State University

Maryville, MO

- Managed data reporting and collaborated with university departments to coordinate and execute 5+ campus events, increasing student engagement by 30%.
- Ensured efficient daily office operations by maintaining records, preparing reports, and managing administrative correspondence.
- Assisted faculty in delivering the **Object-Oriented Programming Using Java** course by helping students debug code, understand object-oriented concepts, and prepare for lab assessments.
- Conducted one-on-one and group mentoring sessions to help students grasp **Java programming fundamentals**, improving lab completion rates and fostering a collaborative learning environment.

- Developed and maintained backend systems for internal Infosys tools using **Java**, **Spring Boot**, and **MySQL**, focusing on API reliability, secure data handling, and modular service design.
- Delivered a large-scale **E-Government platform** for Apple Inc. using **Spring Boot**, **MongoDB**, and microservices architecture, enabling workflow automation, document validation, and role-based access for thousands of end users.
- Secured backend systems using **JWT**, **OAuth2**, and **CSRF protection** via **Spring Security**, implementing granular **role-based access control (RBAC)** across admin, user, and citizen modules.
- Performed live server operations for the Apple project, including **server restarts**, **shutdown/startup scripts**, and **log tracing** on Linux-based backend servers to address real-time issues across IT, UAT and production.
- Utilized **Splunk** for log monitoring and debugging across **dev**, **UAT**, and **production** environments; configured custom alerts for API failures and system anomalies.
- Automated deployments across environments using **Jenkins** and **RIO**, implementing rollback strategies, version tagging, and CI/CD pipelines.
- Tuned **MySQL queries** and optimized **MongoDB indexes** to improve backend performance and reduce API latency by over 30% on high-volume endpoints such as audit logs, document processing, and user management.
- Authored API contracts using **Swagger**, collaborated with QA teams using **Postman collections**, and achieved over 90% test coverage using **JUnit** and **Mockito** for stable, production-ready code.
- Participated in Agile sprints, daily standups, and retrospectives, while mentoring junior developers and contributing to cross-team collaboration with QA, DevOps, and frontend engineers.

Projects

Vehicle Management Northwest Missouri State University

Maryville, MO
Jan 2025 – Apr 2025

- Designed and implemented a full-stack vehicle management platform using **Spring Boot**, **MySQL**, and **Angular**, enabling administrator to manage vehicle data, maintenance events, fuel usage, and travel history.
- Hosted the frontend using **AWS S3 static website hosting**, backend on **AWS EC2**, and database on **AWS RDS**, demonstrating complete hands-on cloud deployment and infrastructure setup.
- Implemented **Excel and PDF report generation** with backend filters using **Apache POI** and **iText**, meeting government reporting standards.
- Integrated **role-based access control**, **secure login**, **first-time login flows**, and **forgot password workflows** using **JWT** and **Spring Security**.
- Built **dynamic filter components** and interactive **data visualization dashboards** in Angular using **Chart.js**, helping users analyze mileage trends and maintenance costs over time.
- Applied **responsive UI practices** using Angular with reactive forms, modular routing, and component reusability to support multiple screen sizes.
- Developed modular REST APIs with clear separation of concerns, using DTOs, service layers, and validation interceptors for scalable code architecture.

Education

Master of Science: Information Systems Northwest Missouri State University, Maryville, MO	GPA: 4/4 Jan 2024 - May 2025
Bachelor of Technology: Electronics and Communication Engineering Nalla Malla Reddy Engineering College, Hyderabad, India	Aug 2017 - Jul 2021

Certifications

MySQL 8.0 Database Developer Oracle Certified Professional	Jul 2025
AWS Educate Introduction to Cloud 101 (AWS Badge)	May 2025

Awards & Publications

J-Hub Hackathon League Jawaharlal Nehru Technological University, Hyderabad	Feb 2020 Hyderabad, India
• Secured 1 st position for developing an innovative Eco-Friendly Refrigerator prototype, demonstrating exceptional skills and contributing to sustainable technology advancements.	
Virtual Assistant - BOB Nalla Malla Reddy Engineering College	Aug 2021 Hyderabad, India
• Published in the Official Journal of Indian Patent office of government of India	