Sai Pranith Arandkar Full Stack Developer

Gmail | (660)528-3223 | USA | **LinkedIn** | **GitHub** | **Portfolio**

Summary

Full Stack Developer with 4+ years of experience building scalable web applications and cloud-based solutions using Java, Spring Boot, React, and TypeScript. Skilled in microservices, RESTful APIs, serverless architectures, AI/ML integration, secure authentication, and CI/CD automation. Experienced in cloud platforms, DevOps practices, and collaborative team environments to deliver robust, high-performance software solutions.

Technical Skills

- **Programming**: Java, JavaScript, TypeScript, Python, SQL, HTML, CSS, React, React Query, Redux Toolkit, Angular, Vue.js, Spring Boot, Spring Cloud, Spring Security, Hibernate, Thymeleaf, JSP, Node.js, Express.js, Bootstrap, Tailwind CSS, FastAPI, Flask, Celery, WebSockets, Chart.js, .net, ASP.net
- **Databases & Data Management**: PostgreSQL, MySQL, MongoDB, Cassandra, Redis, Apache Kafka, Apache Flink, Elasticsearch, Firebase, GraphQL, Pinecone, Weaviate, FAISS, Oracle SQL, PL/SQL, Azure SQL, indexing, partitioning
- **Cloud Platforms & DevOps**: AWS (Lambda, API Gateway, Cognito, Fargate, CloudWatch, X-Ray, CodePipeline, CodeBuild, SNS, WAF, Shield, EKS), Azure (AKS, DevOps, Function APIs, App Services), GCP, Docker, Kubernetes, Helm, Jenkins, GitLab CI/CD, GitHub Actions, Terraform, Ansible, CI/CD pipelines, auto-scaling, blue-green deployments, load balancing, Prometheus & Grafana
- **Version Control & Collaboration Tools**: Git, GitHub, GitLab, Bitbucket, Jira, Confluence, Slack, Trello
- **Testing & QA**: JUnit, TestNG, JUnit 5, Mockito, Pytest, Cypress, Selenium, Postman, Swagger, SonarQube, JaCoCo, Coverage.py, AssertJ, JMeter, Jest
- **Security & Authentication**: OAuth 2.0, JWT, OpenID Connect, SSL/TLS, SAML, AWS WAF & Shield, HTTPS, CORS, CSRF, XSS, SQL Injection Prevention, Role-Based Access Control (RBAC), SSO integration, encryption, OWASP & GDPR compliance
- **Architectural Patterns & Design**: Microservices, RESTful APIs, SOAP, Azure Function APIs, Event-Driven Architecture, Serverless Architecture, DDD, MVC, Dependency Injection, Reactive APIs, modular architecture
- **AI & ML**: TensorFlow, PyTorch, Scikit-learn, NLP (spaCy, BERT, RoBERTa), OpenAI APIs (GPT-4/4o), GPT, LLaMA, Claude, LangChain / LlamaIndex, RAG, fine-tuned models, AI service integration in backend applications, AI-powered risk scoring, Cursor AI, AWS Bedrock

Professional Experience

Full Stack Developer, *Shopify*   10/2024 – Present | Remote, USA

- Developed an AI-powered merchant insights platform for Shopify using Java Spring Boot, integrating BERT and DistilBERT models with an AI Insights Agent, team up with product and data teams, resulting in a 20% improvement in merchant operational efficiency and sales workflow optimization.
- Built RESTful APIs /order-analytics, /inventory-optimizer, and /customer-engagement using Spring Boot, Spring Data JPA, and Hibernate, reducing latency by 25%, enabling real-time integration with Shopify storefronts and admin dashboards, and supporting cross-team collaboration.
- Designed microservices using Spring Boot, RabbitMQ, and Spring Batch, integrating AI agents for demand forecasting and personalized marketing, increasing recommendation accuracy by 18%, and scaling platform performance.
- Created interactive dashboards for merchants using React, TypeScript, and Redux, integrating GraphQL subscriptions and WebSockets with Lambda triggers and S3 analytics storage, collaborating with UX teams, improving business insights and decision-making by 24%.
- Implemented OAuth 2.0 and JWT authentication with Spring Security, supporting SSO for enterprise merchants and ensuring PCI DSS and SOC 2 compliance, while documenting authentication flows and collaborating with security teams, improving onboarding efficiency by 33%.
- Developed CI/CD pipelines using GitHub Actions, Jenkins, and ArgoCD, automated unit, integration, and regression testing using JUnit, Selenium, and RestAssured, while documenting processes and collaborating with QA teams, reducing production defects by 28%.
- Containerized services using Docker, deployed to AWS EKS Kubernetes clusters, executed observability with Prometheus, Grafana, AWS CloudWatch, AWS SNS/SQS, and OpenTelemetry, collaborating with DevOps teams and documenting deployment plans, achieving 99.9% uptime.

System Engineer (Full Stack Developer), *Infosys Ltd (Client: Apple Inc)*   02/2021 - 01/2024 | Hyderabad, India

- Developed and maintained backend systems for Infosys internal tools using Java, Spring Boot, and MySQL, improving API reliability by 25% and ensuring secure data handling, modular service design, and seamless integration with frontend components for full-stack efficiency.
- Delivered a large-scale E-Government platform for Apple Inc. using Spring Boot, MongoDB, and microservices, enabling workflow automation and document validation, increasing operational efficiency by 40% and supporting thousands of end users with scalable, high-performance architecture.
- Secured backend services with JWT, OAuth2, and CSRF protection via Spring Security, implementing granular RBAC across admin, user, and citizen modules, reducing unauthorized access incidents by 90% and strengthening enterprise-grade authentication for full-stack applications.
- Managed live server operations on Linux, including restarts, shutdown/startup scripts, and log tracing, resolving 95% of real-time production and UAT issues within SLA, ensuring uninterrupted system availability and improved user satisfaction.
- Utilized Splunk for log monitoring and debugging, configuring custom alerts for API failures and system anomalies, reducing mean-time-to-detect (MTTD) issues by 50% and improving system observability across dev, UAT, and production.
- Automated deployments with Jenkins and RIO, implementing CI/CD pipelines, version tagging, and rollback strategies, decreasing deployment time by 35%, improving code delivery consistency, and enabling faster feature releases for both backend and frontend services.
- Optimized MySQL queries and MongoDB indexes, reducing API latency by 30%, authored API contracts with Swagger, collaborated with QA via Postman, and achieved 90%+ test coverage with JUnit and Mockito, ensuring robust, production-ready full-stack code.

Education

Master of Science in Information Systems   01/2024 – 05/2025
Northwest Missouri State University, Maryville, MO, USA
Bachelor of Engineering in Electronics and Communication Engineering   08/2017 – 07/2021
Nalla Malla Reddy Engineering College, Hyderabad, India

Projects

Smart Home Automation System

- Developed a smart home automation platform using Java Spring Boot for backend services and JavaFX for the frontend, enabling users to control lighting, temperature, and security. Implemented real-time alerts and scheduling for improved convenience and energy efficiency.

Personal Finance Tracker

- Built a personal finance tracker web application using Java Spring Boot, Hibernate, and PostgreSQL. Allowed users to manage expenses, categorize transactions, and visualize spending patterns through interactive dashboards, enhancing financial awareness and informed decision-making.