

SANTAN SETTIPALLI

Software Development Engineer

Java/Spring Boot | Full-Stack | Cloud

AI Platform Systems

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DBA Candidate

M.S. Computer Science

B.S. Electrical & Computer
Engineering

AWS SAA-C03

EXECUTIVE PROFILE

Full-stack software engineer and technical consultant with 4+ years of experience delivering production-grade client platforms, enterprise backend services, AI-enabled automation systems, and secure cloud-native workflows for client and enterprise environments. Combines Java/Spring Boot engineering with React/Next.js product delivery, CI/CD ownership, observability, incident response, RAG-ready knowledge workflows, DAG-style pipeline orchestration, and privacy-aware local-first AI architecture. Experienced in translating business requirements into maintainable systems while keeping sensitive client logic abstracted and protected.

Production Systems Ownership

End-to-end build, deployment, release validation, maintenance, production support, and reliability improvement for client-facing platforms.

Enterprise Backend & DevOps

Java/Spring Boot microservices, REST/SOAP/GraphQL APIs, CI/CD automation, containerized deployment, monitoring, logging, and RCA.

AI, Automation & Agentic Systems

RAG-ready knowledge workflows, DAG-style pipeline orchestration, agentic task routing, encrypted credential handling, operator approvals, OCR/ASR pipelines, and local model routing.

Security-Aware Delivery

OAuth2, SAML, TLS/HTTPS, role-based access, protected file workflows, governed tool execution, and privacy-preserving design.

CORE TECHNICAL CAPABILITIES

Backend & APIs

Java 8 through current JDK 26, Spring Boot, Spring Security, Spring Batch, WebFlux, Node.js, FastAPI, REST, SOAP, GraphQL, Swagger/OpenAPI

Frontend & Product UI

React, Next.js, Angular, TypeScript, Tailwind CSS, Flutter, admin dashboards, CMS-managed interfaces, role-based portals

Cloud, DevOps & Data

AWS, Azure, Google Cloud Run, Docker, Kubernetes/AKS, Jenkins, GitLab CI/CD, Gradle 9.5.1, Maven, Vercel, Netlify, PostgreSQL, MongoDB, DynamoDB, SQLite

Security, Observability & AI

OAuth2, TLS/HTTPS, SAML, Keycloak, Azure AD, LDAP, Grafana, Dynatrace, Splunk, ELK, OCR, ASR/Whisper, Ollama, RAG, embeddings/vector search, DAG orchestration

CLIENT-FACING PRODUCTION WORK

B2B Trade & Document Platforms

Buyer/seller onboarding, marketplace listings, admin approvals, trade-document generation, and secure document/file-processing integrations.

AI Content & Workflow Automation

Multi-channel automation with DAG-style workflow orchestration, provider connection management, credential protection, pipeline tracking, RAG-ready context flows, and operator approvals.

Healthcare & Caregiver Operations

Production business-operation applications, caregiver reminders, recording-based transcription, AI-assisted summaries, admin tooling, and support workflows.

Conversion, OCR & File Processing

Cloud-hosted document conversion, OCR-assisted PDF processing, compression, ZIP packaging, API/UI validation, and release-readiness checks.

Security & Local AI Systems

macOS security scanning, local-first camera monitoring, face enrollment/recognition, SQLite-backed event/finding storage, and user-approved remediation.

Operations Dashboards & Support

Project inventory, hosting/domain/database/email metadata, health monitoring, alerting, repository tracking, portfolio-safe reporting, and ongoing reliability support.

ENTERPRISE ENGINEERING EXPERIENCE

Tabner Global - Software Development Engineer

Jun 2021 - Mar 2025

- Developed and maintained scalable SOAP and RESTful microservices using Java 8+/17, Spring Boot, Spring MVC, Spring Security, and enterprise deployment patterns across distributed modules.
- Implemented secure API and identity flows with OAuth2, SAML, TLS/HTTPS, Keycloak, Azure Active Directory, and LDAP role mapping for internal and external integrations.
- Designed GraphQL endpoints, CRUD workflows, and Spring Batch ingestion pipelines with MongoDB and DynamoDB, improving processing efficiency, data reliability, and operational throughput.
- Automated build and deployment flows with GitLab CI/CD, Jenkins, Gradle 9.5.1-compatible build tooling, Maven, and JFrog Artifactory, reducing release errors by 80% and accelerating deployment cycles by 60%.
- Improved observability, logging, RCA, and incident response using Grafana, Loki, Dynatrace, Application Insights, Splunk, InfluxDB, and centralized monitoring; contributed to 200+ production defect resolutions.
- Modernized services to Java 17, Spring Boot 3.1.5, and Spring WebFlux while maintaining Gradle-based build pipelines aligned with current Gradle 9.5.1 releases; authored Swagger/OpenAPI specs, knowledge-base documentation, and onboarding material.

Greenko / DigiTele Networks - Software Engineer Intern

May 2018 - Aug 2018

- Developed an employee data management system with Python, Flask, and MySQL, and supported early-stage TensorFlow/object-detection research and algorithm optimization workshops.

SELECTED AI AND PRODUCT INITIATIVES

<p>Jarvis Local-first AI agent platform with Telegram operator control, governed tool execution, approvals, DAG-style task orchestration, SQLite run persistence, RAG-ready memory snapshots, workspace isolation, and Ollama-backed model routing.</p>	<p>SRT Generator Fully local subtitle engine that auto-detects language, transcribes and translates English/Hindi/Telugu audio, and exports structured SRT/ASS outputs with QA workflows.</p>
<p>Job Application Agent Guarded AI workflow for role discovery, fit scoring, RAG-style profile context preparation, tailored resume/cover-letter generation, Telegram review, state tracking, and controlled submission automation.</p>	<p>Shield Production macOS security application with local-first malware/persistence scanning, privileged daemon architecture, XPC IPC, SQLite findings storage, and user-approved remediation.</p>
<p>Home Watch Flutter/macOS desktop application for local AI camera monitoring, face enrollment/recognition, SQLite event history, retention cleanup, and historical query workflows.</p>	<p>Companion Care Caregiver companion app with Android reminder workflows, recording-based transcription, AI-assisted summaries, caregiver/admin tooling, and local/edge-friendly processing.</p>

EDUCATION AND CREDENTIALS

Belhaven University	Doctorate of Business Administration, in progress - Jan 2025 to Aug 2028
Campbellsville University	M.S. Computer Science - Jan 2022 to Aug 2023
University of Illinois Chicago	B.S. Electrical & Computer Engineering - Aug 2017 to Aug 2021
Certifications	AWS Certified Solutions Architect - Associate (SAA-C03); HackerRank Software Engineer; HackerRank Problem Solving; IBM Introduction to Artificial Intelligence; JavaScript ES6 Bootcamp

REPRESENTATIVE CLIENT PLATFORMS

<p>Lasanta India & Conversion Studio Production B2B trade and document/file-processing platforms covering onboarding, admin workflows, secure API integration, cloud deployment, and release validation.</p>	<p>CreatorOps Autopilot Multi-channel AI automation platform with DAG-style workflow orchestration, provider connections, encrypted credential handling, RAG-ready context flows, pipeline tracking, and operator approvals.</p>
<p>AIGEMSTEK & PVS Techno Services Corporate websites and secure client portals with CMS-managed content, responsive UI, document management, enquiry capture, and deployment support.</p>	<p>Personal Dashboard & Operations Support Operations platform centralizing project inventory, hosting, domain, database, email, repository, health-monitoring, alerting, and portfolio-safe metadata workflows.</p>

Confidential project details available for discussion under appropriate client/NDA boundaries.