

CONTACT

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📁 [pravudatta-portfolio](#)

SKILLS

- | | |
|-------------------|----------------------|
| • Java | • GenAI |
| • Spring Boot | • LLM |
| • Microservice | • RAG Integration |
| • Spring Security | • Prompt Engr. |
| • JWT | • AWS (EC2, S3, RDS) |
| • OAuth2 | • Kubernetes |
| • KeyCloak | • Docker |
| • Okta | • CI/CD |
| • OpenID Connect | • Jenkins |
| • Spring WebFlux | • Postman |
| • REST | • JUnit |
| • JPA | • Mockito |
| • Maven | • IntelliJ IDEA |
| • Git | • VSCode |
| • Hibernate | • Agile |
| • Angular 17 | • SDLC |
| • JavaScript | • Scrum |
| • TypeScript | • Debugging |
| • SQL | • Troubleshooting |
| • PostgreSQL | • RCA |
| • Oracle | • Twistlock |
| • MySQL | • Grafana |
| • Kafka | • Argo CD |

EDUCATION

- **Bachelor of Technology**
in Computer Science & Engineering
2018–2022 | BPUT, Odisha

PRAVUDATTA KAR

Java Full Stack Developer

PROFESSIONAL SUMMARY

Full Stack Developer skilled in Java (8–17), Spring Boot, Spring Security, Microservices, and reactive systems using Spring WebFlux. Builds secure REST APIs with JWT, OAuth2, Keycloak, and manages data access using JPA and Hibernate with PostgreSQL and Oracle.

Delivers Angular 17 frontends and integrates GenAI components including LLMs, RAG pipelines, and prompt logic. Experienced with Kafka for messaging, CI/CD pipelines, and production issue resolution through debugging and RCA.

PROFESSIONAL EXPERIENCE

Senior Software Engineer

Sept 2024 – Present

[Birlasoft](#) (Client: CRISIL)

- Built backend services using Java 17, Spring Boot 3, and Spring WebFlux, improving API response time up to 40%.
- Integrated LLMs (GPT-4, LLaMA 3) and OpenAI APIs using LangChain and Pinecone, enabling RAG-based document summarization.
- Managed access control with Spring Security, JWT, and Keycloak, ensuring secure, role-specific routing.
- Optimized SQL performance with indexing and joins, reducing DB response time by 30% in PostgreSQL.
- Deployed services with Docker and Jenkins, and enforced container image security using Twistlock (Prisma Cloud).
- Used SonarQube to enforce static code checks, maintaining 80% clean code quality.
- Conducted RCA on failures, and improved alerting using Kafka lag metrics.
- Coordinated with cross-functional teams during daily sprint meetings, reviewed pull requests, and deployed to JBoss environments.

Software Developer

July 2022 – Aug 2024

[Nichebit](#)

- Developed REST APIs using Java 11, Spring Boot, and Hibernate, supporting core insurance workflows.
- Created UI components using Angular 17, implementing form validations, routing, and lazy loading.
- Secured APIs using OAuth2 and enabled inter-service communication with Feign Client.
- Generated automated reports using JasperReports and iText, reducing manual report effort by 40%.
- Applied JUnit 5 and Mockito for unit testing, increasing test coverage and reducing regression issues.
- Managed CI/CD using Jenkins and handled multiple environments with Spring Profiles.
- Logged API errors using Log4j, helping trace and resolve 90% of user-reported issues.
- Resolved bugs during UAT, performed root cause analysis, and reduced post-release issues.

PROJECT EXECUTED

1. INTELLIGEN AI – CRISIL

Client: CRISIL || **Role:** Full Stack Developer || **Technologies:** Java 17, Spring Boot, WebFlux, Angular 17, PostgreSQL, Kafka, Jenkins, AWS
Tools: Git, SonarQube, Apache POI, Postman, Grafana || **AI Models:** LLaMA 3 (8B, 70B), GPT-3.5, GPT-4

Project Summary:

Built an internal AI assistant platform for CRISIL that summarizes documents (PDF, PPT, TXT), supports technical queries, and interacts through a chat interface using LLMs.

Key Contributions:

- Set up a retrieval-augmented generation (RAG) pipeline using LangChain and OpenAI, enabling context-aware LLM output.
- Created non-blocking, event-driven APIs with Spring WebFlux and Kafka, supporting concurrent data streams.
- Implemented centralized user authorization with Keycloak, mapping users to specific feature-level access scopes.
- Tuned PostgreSQL queries and added indexes, resulting in faster retrieval for document metadata and search operations.
- Connected Angular 17 frontend with Spring Boot APIs using HTTP for client-side data rendering.
- Used SonarQube to detect coding issues and maintain consistent code quality.
- Built deployment pipelines using Jenkins, automating testing and deployment with environment-based configurations.
- Exported conversation summaries and reports into structured Excel files using Apache POI.

2. SUD_BPOS – NICHEBIT

Client: SUD Life Insurance || **Role:** Full Stack Developer || **Technologies:** Java, Spring Boot, Spring Security, Angular, Oracle 19c
Tools: Git, Postman, SonarQube, JasperReports, JBoss

Project Summary:

Built a web-based application for managing customer policy and claim data. The system stores policy details, supports receipt uploads, and logs user activity for operational analysis.

Key Contributions:

- Applied JWT-based authentication using Spring Security for both LDAP and database users.
- Tracked login attempts and blocked accounts after multiple failures to control unauthorized access.
- Used RestTemplate to fetch data from legacy systems, cutting response time by 50%.
- Added Spring Boot Actuator to expose runtime endpoints for system status.
- Created environment-specific YAML configurations for deployment in Dev, UAT, and Production.
- Configured CORS to allow Angular-based frontend requests to access backend APIs.
- Built Angular components that handled HTTP operations using HttpClient instead of SOAP.
- Created structured reports in PDF and Excel formats using JasperSoft Studio.