Aditya Ranjan Sahoo

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PROFESSIONAL SUMMARY

Full-stack Software Engineer (Java + Angular) with experience delivering secure, scalable applications in enterprise settings. Skilled in backend (Spring Boot, JPA, JWT), frontend (Angular, TypeScript), CI/CD pipelines (Maven, Jenkins, SonarQube), and cloud services. Adept at API design, troubleshooting complex builds, and building reusable service components. Passionate about continuous learning, agile collaboration, and future-ready development (Cloud, GenAI, IoT).

TECHNICAL SKILLS

Languages: Java (Core, Spring Boot), TypeScript, Python, SQL, C++, C[embedded]
Frameworks & Tools: Angular, Hibernate, JPA, REST APIs, JWT, JUnit, Mockito, Jenkins, SonarQube, Git, Postman, Grafana, NetBeans, PyCharm
Databases: MySQL, H2, PostgreSQL (basic)
Cloud: Google Cloud Platform (Terraform, Containers, Vision API, Kubernetes, Load Balancer, BigQuery)
Development Practices: Agile & Scrum, SDLC, Test-Driven Development, CI/CD pipelines
Soft Skills: Strong communication, independent troubleshooting, adaptability in dynamic environments

PROJECTS

Employee Task Management System | *Spring Boot, Angular, JWT, PostgreSQL*
- Designed a role-based access (Admin, HR, Employee) task management application with secure JWT authentication.
- Implemented backend CRUD services for employees, departments, and task workflows; tested APIs using JUnit and Postman.
- Built Angular frontend with Angular Material for responsive UI, integrating secure API calls and filters.

Alive Human Detection Bot in Disasters | *C++ (Arduino), ESP32, IoT, Cloud*
- Built real-time human presence and vital signs detection system using multiple sensors, with IoT dashboard integration.

AI Virtual Painter | *Python, OpenCV, MediaPipe*
- Developed AI-powered tool for gesture-based drawing, reducing latency by 30% for real-time interaction.

EXPERIENCE

Global Product and Tech Intern (Fullstack - Java + Angular)   July 2025 – Present
ADP Pvt. Ltd. | Onsite
- Implemented backend services and Angular UI features for Insurance Services platform; raised PRs merged after Jenkins + SonarQube validation.
- Developed and tested secured APIs with JWT and internal RBAC mapping; integrated custom repositories for advanced queries.
- Contributed reusable service components and troubleshooting fixes across builds, ensuring stability of CI/CD pipelines.
- Presented milestone features (API + UI integration) in demos to senior leadership, including the General Manager.

Technical Contributor   May 2024 – Dec 2024
Google Cloud Community | Remote

- Integrated APIs and optimized backend systems on GCP, improving application responsiveness by 20%.
- Participated in peer reviews, contributing insights on CI/CD and scalable cloud architecture.

Developer Advocacy (Content Writer) Dec 2024 – Present
Innovation And Entrepreneurship Cell | Hybrid

- Created technical and campaign content for promoting innovation initiatives, increasing student engagement by 15%.
- Authored research articles on emerging topics (e.g., market monopolies, capitalism) to drive community thought leadership.

EDUCATION

B.Tech – Computer Science Engineering [IoT] 2022 – 2026
ITER, SOA *CGPA: 8.78/10*

Higher Secondary Education – Science 2020 – 2022
Mother's Public School *Bhubaneswar | 89.80%*

Secondary Education 2008 – 2020
Ruchika High School *Bhubaneswar | 95%*

CERTIFICATIONS

Design Patterns in Java – Scalable software design principles.

Fundamentals of Accelerated Computing with CUDA Python – CUDA basics, kernel optimization.

Java (Basic) Certificate – HackerRank.

SQL Bootcamp – Advanced database optimization.

Postman API Fundamentals Student Expert – API testing workflows.

IBM Serverless Application Development (Ongoing) – Serverless architecture, cloud automation.