Rahul Nandu Solanki

Software Developer

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SUMMARY

Results-driven Software Developer with over 3.10 years of experience building scalable backend systems using Java (Spring Boot) and Python (FastAPI). Skilled in designing and optimizing RESTful APIs, improving database performance across MongoDB, DocumentDB, and PostgreSQL, and deploying cloud ready applications on AWS using Docker and serverless services. Experienced in system migrations, performance tuning, secure authentication, and mentoring junior developers. Strong collaborator with a focus on clean architecture, reliability, and delivering high-quality solutions in agile environments.

EXPERIENCE

Software Developer

Hebbale Academy Private Limited | Apr 2023 - Present

- Enhanced scalable backend services using Java (Spring Boot) and Python (FastAPI) for high-performance applications.
- Built and maintained RESTful APIs, ensuring reliability, clean architecture, and efficient data flow.
- Optimized MongoDB, DocumentDB, and PostgreSQL queries and indexing, improving API response times by 30–40%.
- Integrated authentication and authorization using Spring Security, JWT, and secure API practices.
- Deployed cloud ready applications on AWS using services like S3, Lambda, App Runner, and Docker.
- Migrated systems from MongoDB to Amazon DocumentDB and Java 8 to Java 21, improving scalability and maintainability.
- Collaborated with cross-functional teams in agile environments to deliver high-quality product features.
- Mentored junior developers on API design, debugging, best coding practices, and deployment workflows.

Software Trainee Developer

Hebbale Academy Private Limited | Feb 2022 - Mar 2023

- Assisted in developing backend components and RESTful APIs using Java and MongoDB under senior developer guidance.
- Contributed to modules for energy data, dashboards, and user engagement within the Yellowtin project.
- Supported query optimization, adding indexes and restructuring data access patterns to improve performance.
- Participated in debugging, issue resolution, and testing to ensure stable and reliable API functionality.
- Gained hands-on experience with Spring Boot, API development workflows, and clean coding practices.
- Collaborated with senior engineers to understand design patterns, application architecture, and deployment processes.
- Documented technical tasks and learned Agile processes, improving teamwork and delivery efficiency.

EDUCATION

B.Tech in Electronics & Telecommunication

Dr. Babasaheb Ambedkar Technological University | Aug 2018 - May 2021

CGPA: 8.64

Diploma in Electronics & Telecommunication

Government Polytechnic, Solapur | Aug 2015 - June 2018

Percentage: 77.41

TECHNICAL SKILLS

Java • Spring Boot • Spring Security • Python (FastAPI) • RESTful API Development • MongoDB • Amazon

DocumentDB • PostgreSQL • AWS (S3 • Lambda • App Runner • RDS) • Performance Optimization • Query Tuning • JWT Authentication

TOOLS

Docker • Git • GitHub • AWS Cloud • Azure App Services • EC2 • S3 • Lambda • App Runner • PostgreSQL tools • MongoDB Compass • Postman

PROJECTS

Yellowtin

Worked as a Backend Developer on an energy data management platform, designing and enhancing backend architecture using Java, Spring Boot, and MongoDB/DocumentDB. Improved and streamlined RESTful APIs for energy data, dashboards, and user engagement modules. Improved performance through query tuning and indexing, reducing response times by 30–40%. Led key migrations, including MongoDB to Amazon DocumentDB and Java 8 to Java 21, improving scalability and maintainability. Automated deployments using AWS App Runner and containerized services with Docker, strengthening reliability and reducing manual overhead.

Technologies: Java, Spring Boot, MongoDB, Amazon DocumentDB, AWS (S3, Lambda, App Runner), Docker, Dropwizard

RapidAML

Developed backend services for an Anti-Money Laundering (AML) platform designed to analyze large volumes of financial transactions in real time. Built RESTful APIs to ingest, process, and monitor transactional data, and implemented rule-based fraud detection logic to flag suspicious patterns. Integrated compliance workflows to streamline case reviews and reporting. Focused on high performance, secure data handling, and scalable API design to ensure the system could handle continuous high-volume transaction loads efficiently.

Technologies: Python, FastAPI, PostgreSQL

EXTRA-CURRICULAR ACTIVITIES

Technical Mentor

Hebbale Academy - Backend Development Program | May 2025 - Present

- Conducted mentoring sessions for backend development batches.
- Guided students on API development, database integration, and debugging.
- Performed code reviews to improve coding standards and best practices.
- Helped students deploy projects on AWS, improving their practical exposure.

HOBBIES & INTERESTS

Reading • Exploring New Things • Travelling