PRAVEEN SM

Software Engineer — Backend, Cloud & AI Systems

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LinkedIn — GitHub

PROFESSIONAL SUMMARY

Software Engineer with 1+ years of experience contributing across the full Software Development Life Cycle (SDLC), including requirement analysis, system design, development, testing, deployment, and production support. Experienced in building scalable microservices using Java, Spring Boot, AWS, and Python FastAPI. Strong foundation in distributed systems, real-time communication, AI-powered resume analysis, and cloud-native architectures.

PROFESSIONAL EXPERIENCE

MomentumMerge Consultancy Services Pvt. Ltd.   Bengaluru, India

Associate Software Engineer   *July 2025 – Present*

- Contributed across the full SDLC for **MomentumJobs**, an enterprise-scale Job Portal and Applicant Tracking System (ATS), participating in requirement discussions, architecture design, development, testing, deployment, and post-release optimization.
- Led backend development of scalable REST APIs using **Spring Boot microservices**, improving performance via Redis caching, indexing strategies, and optimized query design.
- Architected secure authentication and authorization using **JWT + Refresh Tokens** with Role-Based Access Control (RBAC), token lifecycle management, and secure session handling.
- Designed and integrated an AI-powered resume scoring pipeline using a **Python FastAPI** microservice leveraging **SentenceTransformers, KeyBERT, Scikit-learn, and PyMuPDF** for semantic similarity, keyword extraction, and PDF resume parsing.
- Implemented request validation and configuration management in FastAPI using **Pydantic, Pydantic-Settings, and Email-Validator** to ensure robust data validation and environment-based configuration.
- Built real-time **in-app notification system using WebSocket**, enabling instant recruiter-candidate communication and status updates.
- Collaborated with frontend engineers (React + Redux) to define API contracts and ensure seamless backend-frontend integration.
- Coordinated with DevOps team for AWS deployments (EC2, RDS, S3), environment configuration, secrets management, and release cycles in production-like environments.
- Implemented structured logging, retry mechanisms, and background schedulers using event-driven patterns (Outbox Pattern) to improve reliability and fault tolerance.
- Designed optimized **MySQL and MongoDB schemas**, ensuring ACID compliance, indexing strategies, and high-performance query execution.

Associate Software Intern   *Feb 2025 – July 2025*

- Assisted in backend API development and frontend state management modules for ATS workflows.
- Worked on REST API design, unit testing, debugging, and CI/CD-based deployment pipelines.
- Supported integration testing and validation in staging and production-like environments.

TECHNICAL SKILLS

- **Programming & Backend:** Java, Spring Boot, Spring MVC, Spring Security, REST APIs, Microservices, Distributed Systems, JWT, RBAC, Python (FastAPI), WebSocket
- **AI / NLP Stack:** SentenceTransformers, KeyBERT, Scikit-learn, PyMuPDF, Semantic Similarity Models
- **Python Validation & Config:** Pydantic, Pydantic-Settings, Email-Validator
- **Frontend:** React.js, TypeScript, JavaScript, Redux Toolkit, Axios
- **Cloud & DevOps:** AWS EC2, AWS RDS, AWS S3, Docker, Linux, Environment Configuration

- **Databases:** MySQL, PostgreSQL, MongoDB, Schema Design, Indexing, Query Optimization, ACID Transactions
- **Testing & Practices:** API Testing (Postman), Code Reviews, Agile/Scrum, CI/CD Exposure
- **Architecture & Design:** Microservices Architecture, Event-Driven Systems, Outbox Pattern, SOLID Principles

EDUCATION

Bachelor of Engineering – Electronics and Communication Engineering *2020 – 2024*
KPR Institute of Engineering and Technology, Coimbatore
CGPA: 7.59

CERTIFICATIONS

Certified Full Stack Web Developer – Tap Academy *May 2024 – Dec 2024*