Yash Sanjay Pawar

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SUMMARY

Software Developer with **3 years** of experience building scalable backend systems using **Java and Spring Boot** in the BFSI domain. Experienced in designing secure **REST APIs, middleware services, and cloud-native applications on AWS**. Successfully **automated** claims workflows, improving operational **efficiency by 85%**. Strong foundation in **microservices architecture, secure API integrations, and production**-grade system reliability. Focused on building robust backend platforms and scalable production systems while contributing to product-focused engineering teams.

EXPERIENCE

ICICI Prudential Life Insurance Company Ltd.   Mumbai
Software Developer   *July 2023 – Present*

- Delivered enterprise-scale **digital transformation solutions** within the BFSI domain.
- Developed and maintained **secure, scalable middleware applications** for policy issuance using Java and REST APIs, improving transaction security and reducing cyber-risk exposure by **60%**. Deployed containerized services on AWS Fargate, leveraged Amazon RDS for reliable data persistence, and implemented Redis-based caching to enable low-latency request handling, achieving **98% application uptime**.
- Designed, enhanced, and automated **end-to-end claims workflows** using Java-based microservices and REST APIs, integrating with core insurance systems such as **Life Asia**; implemented workflow orchestration, rules, and automation layers, optimized claims settlement pipelines and system integrations, achieving an **85% reduction in manual effort**, **75% improvement in process efficiency**, and **80% reduction in claims settlement turnaround time** while improving reliability and accuracy.
- Implemented **secure end-to-end integrations** with **NHA (Ayushman Bharat Digital Mission)** platform using Spring Boot-based REST APIs, collaborating with stakeholders to manage API updates and build signed, token-validated callback APIs. Enforced API security controls and secured sensitive data using AWS S3 role-based access, improving data authenticity and integrity and reducing unauthorized access risks by **70%** while ensuring compliant and reliable data exchange.
- Implemented **session-based APIs** with **token-based authentication** for **internet-facing and customer-facing applications**, enforcing API security controls including authentication, authorization, rate limiting, threat protection, payload encryption, and IP whitelisting. Enabled **compliance-ready onboarding** and reduced cyber-risk exposure by **60%**.
- Led the setup of a Disaster Recovery system for **critical applications**, enabling reliable failover and achieving a rollback/recovery time of **less than 30 minutes** to ensure business continuity and minimal service disruption.
- Supported and managed **AWS cloud deployments** (EC2, S3, RDS, ALB, CloudWatch) with **96% uptime**, applying **CI/CD**, **API security**, and **automation best practices** to improve deployment reliability and performance.
- Recognized for driving **automation initiatives** that **improved cost efficiency** and productivity.

EDUCATION

Veermata Jijabai Technological Institute - Mumbai   Maharashtra, India
Bachelor of Technology - Electronic Engineering   *July 2019 - June 2023*

PROJECT

- **Dhamani Foundation Blood Donation Platform (React.js, Node.js, Oracle DB, AWS) - NGO Project**:
  - Architected a full-stack **blood donation platform** for Dhamani Foundation using **React.js** and **Node.js**, designing and optimizing backend services with **Oracle Database**, including SQL installation, configuration, and deployment setup on **AWS EC2**, enabling secure, scalable, and efficient donor-management workflows.
  - Deployed and managed application infrastructure on **AWS EC2** and **S3**, ensuring high availability, reliability, and scalability.
  - Implemented **JWT-based token authentication** with end-to-end encryption to secure APIs and protect sensitive data exchange across services.
  - Built and maintained **GitLab CI/CD pipelines** to automate build, testing, and deployment workflows, improving release efficiency and deployment consistency.

SKILLS

- **Programming**: Java, SQL, JavaScript
- **Frameworks & Technologies**: Spring Boot, React.js, Microservices Architecture, REST APIs, System Design, API-Driven Architecture
- **Databases**: MySQL, Oracle
- **Cloud & DevOps**: AWS (EC2, S3, CloudFront, Route 53, ALB, CloudWatch), GCP API Gateway
- **Security**: API Security, Authentication, Authorization, Token-based access control, IP Whitelisting, Threat Protection
- **Tools**: Postman, Dynatrace, Draw.io, Figma, Eclipse
- **Professional**: Cross-functional stakeholder collaboration, Requirements analysis, Infrastructure troubleshooting, Problem solving

CERTIFICATION

Architecting Serverless Applications -AWS, Developing Cloud Native Applications -IBM