Shounak Bhalerao

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CAREER PROFILE

A resolute software engineer with a robust foundation in computer science and cybersecurity. Enabling institutions to deliver effective, innovative solutions across domains, ensuring high-performance, secure applications by using knowledge based on microservices development, cloud technologies, and API integration knowledge. Proven track record in optimizing system performance and scalability while maintaining stringent security standards.

EDUCATION

Degree	Name of Institution	CPI/CGPA/%	Year of Graduation
Masters of Cybersecurity	Deakin University, GIFT IBC	-	2026
Bachelor of Engineering (CSE)	DIEMS, Aurangabad	7.2 CGPA (Distinction)	2020
12th State Board	VNMV, Aurangabad	67%	2016
10th CBSE	Tender Care Home, MH	9.0 CGPA	2014

EMPLOYMENT

Programmer Analyst, Cognizant Ltd, Bengaluru   Feb/2023 – Jul/2024

- Ensuring **flawless, 100% production deployment record** combined with continuous momentum and code quality throughout all projects.
- Implemented Microservices from scratch to cater to **millions of requests** using and configuration of Auto scaling SQL and No-SQL Databases to achieve high-performance application with minimal latency and high reliability using Reactive Spring and Spring Security 6.
- Reduced response time from **12 seconds to over 0.6 seconds**, through optimizing storage, aggregation and retrieval of insurance data.
- Optimized Compute & Storage resources by **95 percentiles**, by analysing resource allocation for AKS pod reducing Operational Expenditure on each Environment throughout organisation, hence decreasing year on year cost of organization by millions of Yen.
- Architected a real time currency service to propagate distributed asynchronous data via a **unified API using GraphQL** based criteria.

Programmer Analyst Trainee, Cognizant Ltd, Bengaluru   Nov/2022 – Feb/2023

- Orchestrated Digital Book Subscription Microservices using Amazon RDS, AWS API Gateway, supporting **Spring Boot** (3.0.0) Backend deployed on AWS EC2. Crafted the frontend using **Tailwind CSS** and Daisy UI with **Angular v15** deployed on similar infrastructure.
- Created **Auto-Updating API Documentation** using Swagger Codegen, Postman Collections, Spring Fox UI and OpenAPI3 specifications.
- Designed Microsystem using AWS Lambda and Apache POI Framework for **automated generation of reports** in Microsoft Excel Format.
- Fixed Bugs that were reported in deployment and patched vulnerabilities as part of securing application from external threat actors.

Senior Systems Engineer, Infosys Ltd, Bengaluru   Nov/2020 – Nov/2022

- Achieved seamless integration for a new Shadow Service aimed at replacing COBOL-based systems with Spring Boot based microservices.
- Leveraged **the Strangler Pattern** to transition from Legacy Software in span of 2 years parallelly enhancing scalability and observability.
- Designed and developed 4 micro-frameworks and important application functionalities: Keyword Based blocking, Hook-based functionality to interact with APIs, Additive Remark field, Introducing API-Level Custom Validations as per requirements from customer.
- Refactored legacy code and analysed features of legacy application platform based on Domain Driven Design to create the same structures in a **Reactive Programming** based approach utilizing **Spring Reactive Web Framework** and functional programming principles.
- Improved the quality of Automation Test by **over 35-40%** for selected elements written in Groovy and enhanced code quality vastly by using standardised coding practices and Design Patterns.

TECHNICAL SKILLS

- **Programming Language:**   Java / Kotlin / Basic Groovy Scripting, TypeScript, SQL, HTML / CSS / JS
- **Frameworks:**   Spring, Spring Boot Ecosystem, Hibernate (for Spring JPA), Angular, Swagger
- **Technologies and Cloud:**   MySQL, Oracle DB, Docker, K8s, GraphQL, MongoDB, Kafka, Istio Service Mesh
  - **Google Cloud:**   Compute, Cloud SQL, Firebase, Logging
  - **AWS:**   EC2, S3, API Gateway, Lambda
  - **Azure:**   Service Bus, Cosmos DB, SQL, API Management, Credentials Manager

OPEN-SOURCE CONTRIBUTIONS

- **FasterXML/JacksonJr:**   Support for int[] deserialization, Serialization of Java17 & Groovy Records.
  Duplicate Key Detection for simple Objects, Support for BigDecimal for floats.

CERTIFICATIONS

- **Kubernetes for KCA Certification**, Udemy   MAY/2024
- **Service Mesh, Istio Basics & API Gateway Integration**, Solo Learn   APR/2024
- **Ultimate AWS Certified Cloud Practitioner [CLF-C02]**, Stephane Maarek   APR/2024
- **Business Communication Excellence Program Level 10**, Infosys, Bengaluru   JUL/2021
- **Infosys Foundation Program – Java Spring & Angular – Full Stack**, Infosys, Bengaluru   MAY/2021