Shounak Bhalerao

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Education

Deogiri Institute of Engineering and Management Studies
Bachelors of Engineering in Computer Science
Coursework: Operating Systems, Data Structures and Algorithms, Theory of Computing, Networking, Cybersecurity, Relational Databases, Cloud Computing, Data Warehousing.

Work Experience

Cognizant   Bangalore, India
Programmer Analyst | Java-Groovy Microservices · Angular · Microsoft Azure (CosmosDB & SQL)   JAN 2022 – CURRENT

- Implementation of multiple Microservices from scratch to cater to millions of requests using and configuration of Auto scaling Databases (SQL & No-SQL) to achieve high-performant application.
- Implementation of triggers, metrics and observability using Devo Log aggregation.
- Working with Insurance data of millions of users and building a platform for Agents to Access their data.
- Creating a QR based generation & retrieval service for tax invoices making it available on the go. Generated an XML based signature service to the said tax invoice form to interact with government tax portal. Building a real-time currency exchange-rate and Policy Data API feature to propagate asynchronous and distributed data under a single Unified API.

Programmer Analyst Trainee | Microservices · Angular · Amazon Web Services (AWS)   Nov 2022 – JAN 2023

- Implementing DigitalBook (Book Subscription) Microservices using Amazon EC2, Amazon RDS, AWS Api Gateway and AWS Lambda, using TailwindCSS and DaisyUI With Angular 15 Framework for frontend as well as Java (17)-Spring Boot (3.0.0).
- Implemented Picosys (Partnership Compensation) Microsystem using AWS and Apache POI Framework for automated generation of Reports in Excel Format.
- Created API Documentation using Swagger-Codegen, SwaggerUI, Postman Collections and SpringFox Framework. And used the same to create API Gateway.

Infosys   Bangalore, India
Senior Systems Engineer | Java-Groovy ·Spring Boot ·Microservices ·API Creation and Deployment OCT 2020 – Nov 2022

- Successfully created Shadow Service for a computer reservation system that will be migrated to in upcoming years.
- Designed and Developed several micro-frameworks and critical application functionalities – Keyword Based blocking, Hook-based functionality to interact with external API, Remark Element, Introducing customised validation on API level.
- Refactored legacy code and analysed features of legacy application platform based on Domain Driven Design. Improved code quality vastly by using Standardised Coding Practices and Design Patterns.
- Implemented PCC validation service by consuming API contract and improved the quality of Automation Test by over 35-40% for selected elements.
- Spearheaded the usage of Clean Coding and Review in the team and ensured team codebase exceeds the present standard.
- Fixed multiple Bugs that were reported in deployment and patched several vulnerabilities as part of securing application from external threat actors.

Technical Skills

Programming Languages/Codebase: Java, C++, TypeScript, JavaScript, SQL and HTML/CSS.

Frameworks: Spring, Spring Boot Ecosystem, Hibernate (for Spring JPA), Angular, Swagger

Technologies and Software: MySQL, Oracle Database, Git, Docker, basics GraphQL, BitBucket, Postman

Cloud Technologies: Google Cloud (Compute,Cloud SQL, Firebase, Logging), AWS (EC2, S3,API Gateway, Lambda), Serverless Technology (railway.app)

Academic Projects

Arcadia – 2D Dungeon Crawler Videogame using Unity3D | C# Scripting · WebAssembly · Unity 3D

- Authored a videogame where the goal of the player is to collect coins while evading/killing monsters and getting a high score. Learnt basic Storyboarding, 3D modelling, Design Patterns, Collision Physics, and Object Interaction.
- Deploying the game on Heroku Servers to be accessed by anyone on Internet.

Suvidha – Blood Bank Management System | ASP.NET · C# · HTML/CSS · JavaScript · MS-SQL · Bootstrap

- A basic Resource Management tool hosted to streamline Blood Donation Drives in our campus.
- Event Organizers have the ability to store the data of all the blood donors along with Different Medical Metrics and calculate how much blood can be donated by that donor.
- Implemented several Dashboard with graphs, Tools and Controls. Added Access Control using User Access Level.

PresenT – Attendance Management System | JavaEE · Apache POI · HTML/CSS/JS

- Streamlining Student Attendance from University App/Manual Entry using web Portal to Human Readable Excel Sheet!

Khamang –Android Recipe Sharing App | Android Studio · Java · Google Firebase · MySQL · Gradle

- Developed an Android Application to let user store Recipes and share using social media/ text format.
- Implementing Global Recipe Dashboard as well as local Favorites and Rating System based on Firebase Database.