Dhrumil Patel

dhrumil.connect@gmail.com | linkedin | github | portfolio

EXPERIENCE

MasterCard | *Spring boot, React, PCF, Oracle, OpenAPI, Redux*　　　　May 2024 - July 2024
Software Engineering Intern　　　　　　　　　　　　　　　　　　　*Vadodara, Gujarat*

- Developed a **subscription management portal** for the product owners in organization.
- Created an innovative solution for **automating redundant code** creation within the project, significantly improving development efficiency and consistency.
- Implemented **diverse automation testing techniques**, including functional and unit tests, for **100% line and conditional coverage** on code logic, significantly improving overall product maintainability.
- Utilized tools like **PCF** for seamless cloud deployment, **Confluence** for effective documentation, and **SonarQube** to continuously monitor and ensure high code quality throughout the development process.

KrewBee | *Dotnet, Postgres, Docker, Azure, Blob storage*　　　　Dec 2023 - April 2024
Software Engineer, Backend　　　　　　　　　　　　　　　　　　　　　　　*Remote*

- Developed a **SaaS based hostel management** back end, leveraging .NET API to create RESTful APIs within a micro-services architecture, and containerized the services using Docker for deployment and scaling.
- Architectured and deployed **eight micro-services** following the **CQRS pattern**, improving scalability, maintainability, and reusability by distributing the project into manageable components.
- Mastered unit testing with **xUnit**, for robust code through various testing strategies.
- Enhanced project management skills through effective use of **Jira** and **Confluence**, and refined Git expertise to streamline version control and collaboration.

EDUCATION

Dharmsinh Desai University　　　　　　　　　　　　　　　　　　　Nadiad, Gujarat
Bachelor of Technology in Computer Engineering (9.08 CPI)　　　*Oct. 2021 – May 2025 (Pursuing)*

PROJECTS

PuzzlePro | *Flutter, Python Fast API, Docker, Azure, Machine Learning(CNN)*　　　GitHub

- Developed an all-in-one **Sudoku application**, providing a comprehensive experience with features such as **Sudoku generation, hints, solutions**, and more.
- Implemented a feature for **scanning Sudoku images** using a **Convolutional Neural Network (CNN)** model, enhancing the application's functionality and accuracy.
- Designed an intuitive interface with **Material UI**, improving user engagement and ease of use for solving and learning Sudoku.
- Streamlined **back-end deployment** by containerizing the application with **Docker** and deploying it on **Azure**, using **CI/CD pipelines** with GitHub Actions for efficient and automated updates.

TestZone | *Java, Spring boot, JSPs, Hibernate, MySQL, Bootstrap, Azure*　　　　GitHub

- Built a web application platform for **quiz using Spring Boot**, incorporating features such as user authentication, quiz creation and management, quiz participation, and result calculation and display.
- Deployed the application on Azure, utilizing **Azure Web Apps** for hosting and **Azure MySQL Database** for data management.

SKILLS AND ACHIEVEMENTS

Languages: Java, Python, C/C++, SQL, JavaScript/TypeScript, PHP, Dart, Go, Bash.
Frameworks: React, Spring boot, Express.js, Django, Flutter, ORM tools.
Tools: Git, Intellij, VS Code, Visual Studio, Postman, Jira, Confluence.
Cloud: Azure and AWS For application deployments with CI/CD, blob storage, databases.
Microsoft learn: 6 Trophies Earned On Azure AI and ML @dhrumilpatel .
Competitive Programming: Above 220 problems solved on Leetcode and 3 star rated on CodeChef.