Yakshkumar Patel

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Professional Summary

Dynamic and results-driven software developer with over 3 years of experience in back-end development, mobile application development, and web application integration. Proven expertise in *Java, Python (Django), Flutter, and MySQL*, along with hands-on experience in back-end systems, database management, and third-party API integration. Strong problem-solving and technical troubleshooting skills, with a demonstrated ability to lead teams, optimize performance, and deliver high-quality software solutions on time. Recognized for leadership and excellence with multiple "Employee of the Month" awards. Passionate about building scalable, efficient, and user-friendly applications, with a focus on both individual and team success.

Skills

Programming Languages: Dart, Java, Python, Django, Next.JS, React.JS, HTML, CSS, C#, C, C++, SpringBoot
Data Management: PostgreSQL, MySQL, SQLite, Firebase
Frameworks: Android, Flutter, MATLAB, Visual Studio Code, Figma
Operating Systems: Windows, Linux, MacOS
Technical Skills: Microsoft Office, Primavera P6

Education

Master of Engineering in Electrical and Computer Engineering, May 2023 – Aug 2024
University of Windsor, Windsor, Ontario

Bachelor of Engineering in Information Technology, Aug 2016 – Sep 2020
Gujarat Technological University, Ahmedabad, Gujarat

Experience

Web Application Back-end Developer Intern, Sep 2024 – Jan 2025
VOSYN — Etobicoke, Ontario

- Developed scalable web applications using Django (Python), React.js/Next.js, and PostgreSQL.veloped web applications using **Django (Python)** for back-end and **React.js/Next.js** , **HTML** and **CSS** for front-end, with **PostgreSQL** for database management.

- Built and optimized a sponsor web-form, reducing data processing time by 30%.

- Led API testing and debugging with Postman, ensuring 98% reliability.

Flutter Application Developer, Oct 2020 – Feb 2023
Concetto Labs — Ahmedabad, Gujarat

- Transitioned from **Android** development to **Flutter**, building mobile applications for both Android and iOS from scratch, leveraging prior experience in **Java** and **Android** development.

- Developed and integrated both front-end and back-end components for mobile applications, utilizing **MySQL, PostgreSQL**, and **SQLite** for data management and integration.

- Integrated third-party APIs and payment gateways, improving transaction efficiency by 40%.

- Led a team of 2 interns, increasing project delivery speed by 25%.

- Awarded "Employee of the Month" twice for exceptional performance, innovation, and leadership in project delivery.

Java Developer Intern, Oct 2019 – Apr 2020
Windows Maker Company — Vadodara, Gujarat

- Developed and maintained web applications using **Java** and **Spring Boot**, focusing on back-end services and **MySQL** database integration.

- Collaborated with front-end teams to integrate **HTML** and **CSS** components, ensuring seamless functionality between front-end and back-end systems.

- Optimized database queries, reducing page load time by 35%.

Projects

Web Application, Sep-2024
Vosyn

- Developed and integrated the text module for a web application, handling text content management and back-end integration using **Django (Python)** and **PostgreSQL** to support multimedia features like video, audio, and images.

- Collaborated with teams on **React.js** and **Next.js**, ensuring smooth interaction between back-end and front-end components to deliver seamless user experiences.

- Conducted API testing with Postman, achieving 99% bug-free deployment.

Smart Parking System, Oct 2023
Master's Project

- Developed a smart parking system using **MATLAB** and **Arduino**, writing custom **MATLAB** scripts for real-time data processing and system control to optimize parking space utilization.

- Implemented automated space detection, improving efficiency by 50%.

Randevoo, Oct 2022
Concetto Labs

- Led the development of Randevoo, a cross-platform dating app built with **Flutter** and **Dart**, incorporating real-time call and video call functionalities, with back-end integration using **MySQL** and **Spring Boot**.

- Integrated secure payment gateway, reducing failed transactions by 30%.

- Coordinated the integration of call scheduling and video call functionality, delivering a seamless user experience for real-time communication within the app.

- Directed a team of two interns to successfully complete the project, managing tasks, resolving technical issues, and ensuring timely delivery despite the complexity of third-party integrations.

- Recognized twice as Employee of the Month for exceptional leadership, problem-solving skills, and consistent project delivery.

iMeds, Dec 2019
Bachelor's Project

- Led the development of iMeds, an **Android** e-Commerce application that integrates **blockchain** technology for secure transactions, utilizing **Android Java, MySQL,** and **Firebase** databases.

- Designed and implemented back-end architecture, managing data flow, authentication, and real-time updates, while ensuring optimal performance and scalability.

- Spearheaded project documentation and presentations, delivering comprehensive reports and **PowerPoint** presentations to stakeholders, highlighting key features, challenges, and technical solutions.