

# Yakshkumar Patel

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## Professional Summary

Full-Stack Developer with 3+ years experience building high-performance applications across mobile (Flutter/React Native) and web (Django/Node.js) platforms. Delivered measurable results including 40% faster app performance through optimized Flutter architectures, 30% cloud cost reductions via AWS/Firebase tuning, and 98% API reliability with REST best practices.

## Technical Skills

**Languages:** Dart, Java, Python, JavaScript/TypeScript, C++, SQL

**Frontend:** Flutter, React.js/Next.js, React Native, HTML/CSS

**Backend:** Django, Node.js, Express.js, Spring Boot, REST APIs

**Databases:** PostgreSQL, MySQL, Firebase Firestore, SQLite

**DevOps:** AWS (EC2, Lambda), Git/GitHub, Docker, Postman, Jira, CI/CD

## Professional Experience

### Full Stack Developer Intern

GQ Consultancy Inc.

Jun 2025 - Present

Mississauga, Canada (Remote)

- Built a cross-platform mobile app using **React Native (TypeScript)** and **Node.js/Express**, featuring a proprietary matchmaking algorithm that reduced pairing time by **40%**. Leveraged **Firestore** optimizations—including real-time data structuring and dynamic querying—to minimize latency and scale efficiently for concurrent users.
- Developed secure **REST APIs** with **Firebase Auth** and input validation, improving data safety while maintaining **98% endpoint reliability** (Postman tests)
- Accelerated onboarding workflows by **30%** via reusable React components and modular **TypeScript** architecture
- Cut infrastructure costs by **15%** through Firebase Cloud Functions optimization and CI/CD automation (**Jira/GitHub Actions**)

**Technologies:** React Native, TypeScript, Node.js, Express, Firebase (Auth/Firestore/Cloud Functions), REST APIs, CI/CD

### Web Application Developer Intern

Vosyn

Sep 2024 - Jan 2025

Etobicoke, Canada

- Developed backend for an **AI-powered multilingual translator** (text/video modules) using **Django**, integrating third-party APIs and reducing latency by **25%** via asynchronous processing
- Built dynamic interfaces with **React.js/Next.js**, optimizing sponsor forms to cut data processing time by **30%** through efficient database queries
- Led **API testing/debugging (Postman)**, achieving **98% reliability**; deployed on **AWS**, reducing costs by **15%**
- Implemented **caching (Redis)** for translation services and wrote **Pytest** unit tests, improving error handling to **95% success rate**
- Collaborated with frontend team to streamline data flow using **React hooks** and **modular SCSS**, reducing UI code redundancy by **40%**

**Technologies:** Django (Python), React.js, Next.js, AWS, PostgreSQL, Redis, Postman, Pytest, Git/GitHub, SCSS

### Mobile Application Developer

Concetto Labs

Oct 2020 - Feb 2023

Ahmedabad, India

- Developed **Randevoo** (50K+ downloads) using **Flutter**, reducing codebase size by **60%** through Java-to-Flutter migration and **platform channels** integration
- Built pixel-perfect UIs applying **CSS/SCSS** principles in Flutter widgets, creating a theme system with **SASS-like variables** for faster rebranding
- Optimized performance by **40%** via code splitting, tree shaking, and custom paint widgets that matched Figma designs with **98% accuracy**
- Integrated **Firebase** for real-time features (video calls/notifications) and **Dio** for Spring Boot API connections, reducing latency by **35%**

- Mentored 4 developers in Flutter/Bloc patterns, reducing production bugs by **35%** while implementing CI/CD pipelines (awarded "**Tech Lead 2022**")

**Technologies:** Flutter, Dart, BLoC, Firebase, CSS/SCSS, Java, Android SDK, GitHub Actions

## Java Developer Intern

Oct 2019 - Apr 2020

Window Maker

Vadodara, India

- Developed scalable web apps using **Java/Spring Boot**, optimizing **MySQL** queries to boost performance by **35%** via indexing and cache strategies
- Designed REST APIs connecting frontend (**HTML/CSS/JavaScript**) to backend systems, reducing data transfer latency by **25%**
- Implemented pagination and lazy loading for high-traffic endpoints, improving system stability during **300% user surges**
- Automated CI/CD pipelines with **GitHub Actions**, reducing deployment time from **15 mins to 3 mins**

**Technologies:** Java, Spring Boot, MySQL, REST APIs, HTML/CSS, JavaScript, GitHub Actions

## Education

### Master of Engineering in Electrical and Computer Engineering

May 2023 - Aug 2024

University of Windsor

Windsor, Canada

### Bachelor of Engineering in Information Technology

Aug 2016 - Sep 2020

Gujarat Technological University

Ahmedabad, India

## Projects

### GameBuzz ([Link](#))

Mar 2025

- Built real-time backend APIs in **Node.js** and developed mobile interface in **Flutter**
- Integrated a **C++** module for performance-intensive tasks like leaderboard sorting and bracket generation using optimized algorithms
- Applied data structures (trees, heaps) and OOP principles in **C++** for backend logic
- Achieved a 3× improvement in execution time for ranking calculations compared to native **JavaScript**
- Delivered a 99% uptime experience with **CI-tested** backend services

**Technologies:** C++, Flutter, Dart, Node.js, REST APIs, PostgreSQL, CI/CD, Postman, Git, GitHub

### Smart Parking System ([Link](#))

Oct 2023

- Developed a smart parking system using **MATLAB** and **Arduino**, writing custom **MATLAB** scripts for real-time data processing and system control
- Implemented automated space detection using sensors, improving parking efficiency by 50%

**Technologies:** MATLAB, Arduino, Sensors, Data Processing, Git

### iMeds

Dec 2019

- Led development of Android eCommerce app integrating **blockchain** technology for secure pharmaceutical transactions
- Designed backend architecture managing data flow, authentication, and real-time updates using **Firebase**
- Implemented secure payment processing and inventory management system
- Achieved **95%** transaction success rate through optimized blockchain integration

**Technologies:** Android Java, Blockchain, MySQL, Firebase, Real-time Updates, Data Flow, Authentication