Roshil Ka Patel

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Education

Master of Applied Computer Science, Dalhousie University	**Expected May 2024**
Bachelor in Information Technology, Gujarat Technological University	**August 2017 - July 2021**

Skills

Programming	JavaScript, TypeScript, Java, Python
Framework and Libraries	Node.js, React, React Native, Next.js, Spring Boot, Flask
Databases	MySQL, PostgreSQL, MongoDB, DynamoDB, Firestore
Cloud	AWS (Certified), Azure, Google Cloud
Other Technologies	Git, Kubernetes, Docker, HTML, CSS, SCSS, Redux

Certificates

AWS Certified Solution Architect - Associate	**August 2023**
AWS Certified Cloud Practitioner	**June 2023**

Experience

MERN Stack Developer   **October 2021 - December 2022**
Xcitech Technologies

- Created a robust Content Management System (CMS) for an affiliate network using Node and MongoDB, managing content across 15 websites, and handling 10 million daily clicks.
- Migrated the Logistics Management portal to a mobile-friendly platform using React and Node.js, resulting in a 15% increase in customer satisfaction.
- Created a messaging system that receives emails and connects with third-party websites using microservices architecture. Made it efficient by using Amazon SES and AWS Lambda.
- Responsible for development of CI/CD pipeline, to automate deployment of web application in various environments, resulting in a 20% reduction in deployment time and enhanced team productivity.
- Engineered RESTful API services with Node.js and Express.js for data handling, user authentication, and server-side business logic with an emphasis on maintainability and security.
- Implemented responsive front-end interfaces using React, optimizing component reusability and state management to enhance application efficiency and user experience.
- Received the award for showcasing the excellence and clear commitment to success in work from CEO of Xcitech Technologies

Software Developer Intern   **August 2020 - March 2021**
Slatemates

- Developed a website using Next.js, enhancing UX with a custom file parser for blog updates, achieving a 10% boost in daily visitors.
- Engineered an automated booking system for a tutoring app, slashing manual scheduling tasks and markedly improving operational efficiency.

Projects

PicSort
- It is a cloud-native image storage application built on AWS infrastructure, designed to provide storage for user images while implementing automated sorting into organized directories.
- Developed and deployed the application's frontend using React.js and orchestrated the backend with Node.js, utilizing an Amazon EC2 instance for effective hosting.
- Integrated Amazon S3 for robust image storage, and leveraged AWS Lambda and AWS Rekognition for smart, object-detection-driven categorization and sorting, with all metadata reliably housed in Amazon DynamoDB.

Brownie Point
- It is an Android application made for educators, providing a way to reward students with bonus points by scanning a QR code.
- Led the project team, undertaking the responsibility of mobile application development using React Native and architecting database using MySQL.
- Together with team, I worked on development of REST APIs using Spring Boot and employed JEST for unit testing.
- To ensure the highest standards of code quality, I followed Test-Driven Development (TDD) practices, SOLID principles, and incorporated industry-standard design patterns.

CineVerse
- It is a web application constructed for booking movie tickets, managing shows and theaters, and processing payments.
- Contributed to the frontend development utilizing React.js, Material UI and Redux, focusing on creating a user interface for an optimal customer experience.
- Collaborated with team for backend implementation with Node.js and MongoDB. Worked on the integration of the Stripe payment gateway into the application.

Extracurricular

Coding Club Coordinator   **August 2019 – February 2021**
Sardar Vallabhbhai Patel Institute of Technology, Vasad
- Organized workshops, hackathons and coding competitions, leading to a significant increase in club membership and active participation.
- Delivered workshop on React, imparting practical knowledge on functional based architecture and dynamic user interface creation to a group of 30+ attendees.

Discipline Secretary   **June 2019 – May 2020**
Sardar Vallabhbhai Patel Institute of Technology, Vasad
- Led a team of 50+ Volunteers to successfully organize a three-day Annual Function and National Level Technical Festival.

Finding the Leader in You (FLY) Scholar   **November 2019**
Competitive Mindset Institute, New Jersey, USA
- Learned the 5 Pillars of Competitive Mindset-Conscientiousness, Innovation, Perseverance, Initiative, and Problem-Solving through dedicated participation in and completion of the FLY Professional Program.