

Diya Patel

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Certifications

AWS Certified Solutions Architect – Professional

Jan 2024 – Jan 2027

AWS Certified Solutions Architect – Associate

Aug 2023 – Jan 2027

Skills

Languages & Frameworks: TypeScript, JavaScript, NodeJS, ExpressJS, Python (AI/ML), C, Next.js, React Native, Angular, TensorFlow

Databases: MySQL, PostgreSQL, MongoDB, DynamoDB, Supabase

Cloud/DevOps: AWS (Lambda, EC2, S3, API Gateway, RDS, Route 53, Bedrock), Terraform, Serverless, GitHub Actions, CI/CD

Tools & Concepts: OpenAI API, JWT, RESTful APIs, Agile, JIRA, Microservices, RBAC

Experience

Full Stack Developer, Crazy Word Games – Toronto

Apr 2022 – Present

- Engineered scalable, low-latency RESTful APIs with Node.js and MySQL to support real-time multiplayer gameplay for 1,000+ concurrent users, achieving 99.99% uptime and reducing server errors by 60%
- Led the development of cross-platform mobile games using React Native, slashing crash rates by 30% and boosting user retention by 25% through performance profiling and memory leak fixes
- Designed and deployed SEO-first marketing pages using Next.js and TypeScript, improving Google Core Web Vitals and increasing monthly organic traffic by 45%, contributing to a 20% lift in signups
- Architected AWS cloud infrastructure (Lambda, EC2, S3, Route 53) with Terraform and GitHub Actions-based CI/CD pipelines, cutting deployment time by 40% and enabling zero-downtime rollouts
- Drove full product lifecycle from planning to production across 3+ game releases, collaborating with designers, data analysts, and QA to deliver features 2 weeks ahead of schedule

STEM Tutor Paper – Montreal, ST

Jun 2021 – Mar 2022

- Coached over 2,000 high school and university students in Python and STEM topics, contributing to a 98% session satisfaction rate in an EdTech environment
- Improved customer success operations by designing a scalable support framework that reduced average response time by 25% and increased customer satisfaction by 15%

Data Analyst – Research Project, Wilfrid Laurier University – Waterloo

Oct 2021 – Jan 2022

- Led a collaborative research project using JupyterHub and Python, performing data cleansing and exploratory data analysis on 2,000+ entries with 100% accuracy

Projects

SwiftCart

- Built scalable e-commerce app using Next.js, TypeScript, Clerk, Supabase, and Stripe for 10,000+ users
- Implemented role-based access (Public, Authenticated, Admin) for enhanced security and modular functionality
- Leveraged SSR in Next.js to reduce page load times by 40% and targeted 99.9% uptime
- Integrated Stripe Checkout for secure payments supporting up to \$1M in volume

Education

Wilfrid Laurier University – BSc in Computer Science

Oct 2022

Minor: Statistics | Concentration: Big Data