

# Jay Patel

+1(782)882-8399 | Portfolio | Jay Patel | jaykumarpatel111296@gmail.com

## SKILLS

**Languages:** Java, TypeScript, JavaScript, Go, Kotlin, Python, C++, SQL  
**Frameworks & Libraries:** Spring Boot, React.js, Next.js, Node.js, Express.js, Django  
**Cloud & DevOps:** AWS, GCP, CI/CD (Jenkins, GitLab, GitHub Actions), Docker, Kubernetes, Terraform, Grafana, Prometheus  
**Database:** MongoDB, MySQL, PostgreSQL, Firebase | **Tools:** Git, Android Studio, Figma, Jira, Gradle, Maven, Confluence, SonarQube  
**Other:** Object-Oriented Programming, System Design, Data Structures, Algorithms, Distributed Systems, Agile, REST APIs, SDLC

## CERTIFICATIONS

- AWS Certified Solutions Architect – Associate Certificate

## EDUCATION

**Dalhousie University** | GPA: 4.08/4.3 Jan 2024 - Aug 2025  
Master of Applied Computer Science Halifax, NS

**Gujarat Technological University** | CGPA: 8.66/10.0 Jul 2019 - Jun 2023  
B.E. in Information and Communication Technology Gujarat, India

## EXPERIENCE

**Software Engineer Co-op** May 2025 – Aug 2025  
ApplyBoard Kitchener, Ontario

- Developed a serverless data export automation service with **TypeScript**, **React.js**, **Node.js**, and **AWS** to process **20,000** applications daily, with configurable scheduling functionality through **EventBridge**, eliminating **90%** of manual operations.
- Migrated core services to a **VPC** architecture, improving security, data isolation, and removing reliance on public endpoints.
- Enhanced **observability** by integrating **AWS X-Ray**, reducing issue resolution time by **30%**, and streamlined **CI/CD** pipelines with **GitHub Actions** and **AWS CDK** to support a multi-tenant architecture.

**Full Stack Developer** Oct 2023 - May 2024  
TronTechh LLC Remote

- Contributed to a Point-of-Sale (POS) system with **React.js**, **Spring Boot**, and **MySQL** for sales, inventory, and staff management, providing **real-time access** to system settings and reports across all locations and improving operational efficiency by **30%**.
- Automated sales reporting by integrating slot machine data from Arduino devices via the **MQTT Protocol** with configurable scheduling, delivering **daily insights**, preventing data manipulation, and achieving **95% test coverage** using **JUnit** and **Mockito**.
- Built **CI/CD** pipelines with **Jenkins** to deploy across **9 stores**, enabling faster updates and supporting **Agile** delivery.

**Android Developer Intern** Feb 2023 - Aug 2023  
Galanto Innovations IIT Gandhinagar, Research Park, Gujarat, India

- Contributed to a healthcare **Android** app with **backend** services in **Java**, processing **high-speed complex JSON data** for real-time **synchronization** and enabling **24/7 patient monitoring**, boosting rehabilitation center revenue by **45%**.
- Built a responsive **UI** in **XML** with **MPAndroidChart** and **RecyclerView** to visualize **LiveData**, and integrated **Firebase**, **Bluetooth**, and **OTA** firmware updates for data management, secure communication, and streamlined software rollouts.
- Enhanced user experience with **Jetpack Compose** and **Lottie** animations, improving interactivity and engagement.

## PROJECTS

**RoomM8** | AWS, Java, Spring Boot, REST API, React.js, MySQL, Docker, GitLab CI/CD, TDD, Mockito, JUnit, Shadcn

- Developed a roommate collaboration platform using **React.js**, **REST APIs in Spring Boot**, and **MySQL** to simplify shared living, including features for managing expenses, tasks, groceries, and announcements in private groups via unique join codes.
- Implemented **JWT auth** and **Hibernate ORM**, built **CI/CD** pipelines with **Docker** and **GitLab**, maintained code quality with **SonarQube**, and deployed infrastructure on **AWS** using **CloudFormation** in line with the AWS Well-Architected Framework.

**QuickDataProcessor** | Python, React.js, DialogFlow, AWS Lambda, Glue, DynamoDB, S3, SNS, SQS, GCP Pub/Sub, Firebase, Looker Studio

- Built a serverless multi-cloud platform on **AWS** and **GCP** to automate data processing tasks such as JSON-to-CSV conversion, NLP-based entity extraction, and interactive word cloud generation using **AWS Glue**, **Google BigQuery**, and **Looker Studio**.
- Implemented **three-factor authentication** with **AWS Cognito**, **Lambda**, and **DynamoDB**, integrating **SNS/SQS** for real-time notifications, deploying a **Dialogflow** virtual assistant via **Google Pub/Sub** to handle **10+** queries, and achieving **99.99% uptime** with Dockerized microservices on **GCP Cloud Run** and **Terraform** provisioned cross-cloud deployments.

**Slackify** | Java, Spring Boot, AWS EC2, RDS, Lambda, CloudFormation, API Gateway, SNS, Secrets Manager

- Developed a cloud-native **SaaS** platform that automates real-time collaboration by **integrating GitHub** repository events with **Slack**, enabling instant visibility into issues, comments, and updates across distributed teams.
- Designed with **API Gateway**, **Lambda**, and Spring Boot on **EC2**, leveraging **Secrets Manager**, Amazon **RDS**, and **SNS** for secure, event-driven, and scalable infrastructure, with **CloudFormation** for Infrastructure as Code (**IaC**).