

PRIYANSHU PATEL

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 Priyanshu Patel

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SUMMARY

Full Stack Software Engineer with 2+ years of experience building scalable, cloud-native systems using **Go, React.js, AWS, and Azure**. Skilled in **clean architecture design, CI/CD optimization with Docker**, and delivering **production-grade software** from concept to deployment.

EXPERIENCE

Software Engineer (Full Stack), Skinopathy Inc.

February 2023 – present | Toronto, ON

- Designed and deployed RESTful APIs using **Go (Gin Gonic)** and **PostgreSQL**, improving scalability and reducing API response times by **50%**.
- Built responsive frontends with **React.js, TypeScript**, and **Tailwind CSS**, improving UX and accessibility across doctor and admin portals.
- Integrated **Azure Communication Services** and **AWS S3** to enable secure, compliant cloud communication and file transfer.
- Containerized backend microservices using **Docker**, improving **deployment consistency** and **CI/CD reliability**.
- Partnered with product, design, and QA to deliver major features **15% faster** by optimizing team workflows.
- Trained junior developers and contributed to architecture decisions across backend services.

KEY PROJECTS

Templater Engine

Built a dynamic note-templating engine using **Slate.js**, automating prescription linkage and patient data filling, improving encounter speed by **100%**.

Encounter Notes

Developed the EMR's core note module integrating billing, orders, and prescriptions with **TanStack Query** and **SRFax API**, reducing documentation time from hours to minutes.

Prescriptions Module

Led development of an end-to-end prescriptions module with **PostgreSQL fuzzy search** (trigrams + tsvector), achieving **sub-300ms query speeds** across large datasets.

Azure Communication Services Integration

Implemented **Azure Communication Services** in a **Go backend** (without SDK support), enabling encrypted, government-compliant doctor-patient chat and calls.

S3 Performance Optimization

Reduced dashboard load times by **80%** through a thumbnail-generation pipeline for PDF previews, improving admin productivity.

SKILLS

Languages — Go, TypeScript, JavaScript, Python, Java, SQL (PostgreSQL, MySQL), Bash, HTML, CSS

Frameworks/Libraries — Gin Gonic, React.js, Next.js, Node.js, Express.js, Spring Boot

DevOps/Tools — Docker, AWS (S3, EC2), Microsoft Azure, GitHub Actions, MongoDB Atlas

Concepts — REST API Design, Microservices, OOP, Agile, Unit Testing, Swagger, Cloud Architecture

PROJECTS AND COMPETITIONS

- PDF Tools (Prototype), Skinopathy Interview Project** January 2023
- Built a **React.js prototype** enabling PDF page rotation and annotation using **pdfjs-dist** and **pdf-lib**, later integrated into the **Skinopathy production system** after successful prototype delivery.
 - **Experimented with adding annotation capabilities**, implementing a partial solution that allows adding text annotations in the **center of PDF pages**.
- Plate-Saver, DeltaHacks8 Hackathon** January 2022
- Winner – MyPalate Inc Hackathon: “Plate-Saver” App (DeltaHacks 8)**
- Developed a full-stack Android application in **Java + SQLite** to connect restaurants and shelters for food redistribution.
 - Implemented backend APIs, real-time data synchronization, and intuitive UI.
 - Awarded for best use of technology to **build community-impactful software**.

- Lassonde Games, Participant** February 2022
- Completed an **engineering triathlon** competition in 24 hours.
 - Implemented a **QR code scanning** feature that allowed users to submit answers digitally.
 - Programmed a simple-to-use web app based on the Ontario Science Center specifications that provided its audience with a guided experience of the Science Center.
 - Utilized **HTML, CSS, and JavaScript** to design the front-end of the web app.

EDUCATION

- BSc. Computer Science,** September 2018 – June 2022 | Toronto, ON
York University - Lassonde School of Engineering
- Awards: Lassonde Entrance Scholarship, Student Excellence Scholarship.
 - Activities: Orientation Leader, YUHacks Volunteer, University Tour Guide.