Ryan Sadeghi-Javid

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EDUCATION

University of Waterloo Waterloo, ON
Bachelor of Applied Science in Electrical Engineering, Honours, Co-op *Sep. 2023 – Present*

TECHNICAL SKILLS

Languages & DBs: Python, TypeScript/JavaScript, Java, C/C++, SQL, Bash; PostgreSQL, MongoDB, DynamoDB
Web & Backend: React/Next.js, Node.js/Express, Java Spring; REST, GraphQL
Cloud/Infra/DevOps: AWS (Cognito, API Gateway, Lambda, DynamoDB, S3, CloudWatch, SAM), Docker, Terraform, Linux, GitHub Actions; OAuth2/OIDC, JWT, RBAC, IAM

EXPERIENCE

Full-Stack Engineer Intern May 2025 – Present
Astan (startup) *New York, NY*

Built the MVP for a creator safety platform (incident reporting & ID verification) on AWS + Next.js with a founding team of former Meta & Goldman leaders; product under review with Meta.

- Raised ID-verification pass rate **35%** and freed **36 hrs/month** of review time by automating identity checks (Sumsub API + Web SDK) and secure evidence uploads with an audit trail.
- Cut release time **94%** (**3h** to **10m**) and reduced QA rework by standardizing environments with **Docker** and adding a **GitHub Actions** build/test/deploy pipeline with health checks.
- Reduced failed logins from **25%** to **5%** and kept response time **<350 ms** at peak by simplifying sign-in/permissions and adding monitoring dashboards (**Cloudwatch**).
- Delivered **20+** REST API endpoints on **AWS serverless** (API Gateway, Lambda, DynamoDB, S3) and fully automated **dev/stage/prod** infrastructure, enabling one-command environment spin-ups and consistent releases.

Software Engineer Intern September 2024 – December 2024
Unity Health Toronto *Toronto, ON*

- Cut API response time **35%** for the eAMS asthma platform used by **10,000+** patients and lowered infrastructure cost **20%** by optimizing queries and right-sizing AWS resources (*Java Spring + React, AWS*).
- Eliminated manual physician-credit approvals (**100%** automated) and shrank onboarding time **92%** by building **Mainpro credits** on **AWS EC2** and standardizing envs with **Docker/CI/CD** and **Terraform** (**30+**).
- Saved analysts **7 hrs/week** and shortened regulated releases from **1 day** to **1 hour** by automating data tagging/export pipelines with audit logs and access controls (*Python + S3*; PHIPA-compliant).

Systems Intern January 2024 – April 2024
Crosslinx Transit Solutions *Toronto, ON*

*Worked on the **Eglinton Crosstown LRT (Toronto)**—CCTV/telecom reliability & SAT on SCADA/IP networks under strict change windows.*

- Cut outages **>30%** and removed **40+ hrs/mo** by automating reboots/health checks/log harvests for **500+** CCTV devices using **PowerShell (PSRemoting)** + **Task Scheduler**.
- Reduced incident triage time **25%** by building telemetry analytics (*Python/Pandas*) on **100k+** records—chronic-failure lists, station heatmaps, and alert thresholds.
- Raised change success to **>99%** by coordinating **Mitel**/**Guardian** firmware across **8** sites; executed **60+** SAT procedures, logging **40** defects and verifying **35** fixes.

PROJECTS

Healic | NextStep Hacks *Best Web App* | Live · GitHub | *React, MaterializeCSS, Node/Express, Socket.io, OpenAI API*
- Anonymous peer-support chat on **Socket.io**/**Express** with issue-based matchmaking, queue fallback, and graceful disconnects; supports **dozens** of concurrent rooms; built by a **team of three** under a tight hackathon deadline.
- Context-aware **AI message suggestions** via a server-side **OpenAI** proxy to help users respond empathetically; accessible **MaterializeCSS** UI with ARIA labels and full keyboard navigation.