

Luke Pritchard

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PROFESSIONAL SUMMARY

Senior Software Engineer with over six years of experience, currently at Ada Health, an AI healthcare company, where I am responsible for integrating AI-powered assessment tools via SDK development. Skilled in TypeScript, Kubernetes, and GitOps, I deliver seamless client solutions like Ontario's Health811. Proven collaborator across global teams, building scalable systems that advance AI-driven healthcare.

PROFESSIONAL EXPERIENCE

ADA HEALTH

SENIOR SOFTWARE ENGINEER

April 2022 - Present

Toronto, ON

Tech Stack: TypeScript, React.js, Kotlin, Spring Boot, MongoDB, Kubernetes, GCP

- Integrate Ada Health's AI-driven symptom assessment tools into client platforms, such as Orion Health's Health811 digital front door, enabling Ontarians to access telehealth, healthcare resources, and Ada's AI assessments through the Web+Mobile SDK, which I co-own and maintain.
- Architected the Configuration Service using GitOps principles and Jenkins, deploying JSON/YAML files from GitHub into Kubernetes ConfigMaps to enable real-time runtime updates for AI assessment configurations, minimizing downtime and speeding up deployment for clients across North America and Europe.
- Inherited and expanded SMART on FHIR integrations, including a custom authentication library to securely facilitate handovers within the assessment flow, enhancing client interoperability.
- Engage in on-call rotations, troubleshooting and resolving production issues to ensure the reliability of Ada's AI healthcare platform, collaborating with a diverse Canadian and European team to support critical medical services.

MOBISTREAM

FRONT END DEVELOPER

Feb 2021 - March 2022

Hamilton, ON

Tech Stack: JavaScript, React.js, Redux, Electron, AWS, MySQL

- Developed and enhanced enterprise web portals using React.js and Redux, improving usability and performance for legacy systems relied upon by business clients.
- Helped build, ShadowHQ, a secure Electron desktop application tailored for incident response workflows, contributing to the company's expansion into cross-platform tools for enterprise security.

NYBLE

SOFTWARE ENGINEER (CONTRACT)

Sept 2021 - March 2022

Waterloo, ON

Tech Stack: TypeScript, React.js, Node.js, GraphQL, AWS Lambda

- Developed an intuitive customer flow for in-store lease confirmations, streamlining the user experience for a fintech startup's platform, leveraging TypeScript and React.js for front-end functionality.

SYNERGENICS

WEB DEVELOPER

April 2019 - Sept 2020

Guelph, ON

Tech Stack: TypeScript, React.js, SASS, Firebase

- Created donateABLE, a web application that pioneered cryptocurrency mining (Monero) to generate charitable donations, showcasing innovation in blending tech and social good.

EDUCATION

MCMASTER UNIVERSITY

BEng in Computer Engineering & Society

2013 - 2019

Hamilton, ON

- Conducted research on societal trust in computer vision technologies, collaborating with a Vector Institute affiliate.
- Completed advanced electives in Bioinformatics and Bayesian Statistics, enhancing data analysis and machine learning skills.

SKILLS

- **Programming Languages:** TypeScript/JavaScript, Python, Go, Java, Kotlin
- **Front-end Technologies:** React.js, Next.js, Redux, Electron
- **Back-end Technologies:** Node.js, Express, Spring Boot, FastAPI, GraphQL, RESTful APIs
- **Cloud:** Google Cloud Platform (GCP), AWS, Azure, Cloudflare
- **DevOps:** Docker, Kubernetes, GitOps, Jenkins, GitLab CI/CD
- **Databases:** MongoDB, MySQL, PostgreSQL, BigQuery