Eric Allamby

Ottawa, Ontario - 647-216-7461 - eric@allamby.ca

Full-Stack Software Engineer with 8+ years of hands-on development experience, including contract development, startup engineering, and production systems. Experienced in distributed systems, cloud infrastructure, security, high-throughput APIs, CI/CD, and modern TypeScript/Java Applications. Built and operated systems serving thousands of users and millions of API requests. Fluent in AI-enabled development.

EXPERIENCE

Secure Voting Platform — Lead Engineer

Production SaaS / Startup — 2025 to Present

- Designed and scaled high-traffic secure voting with secure and encrypted networking communications to client machines
- Handled millions of API requests with 100% uptime, utilizing captcha and rate limiting systems
- Designed object-storage architecture using S3-compatible storage for scalable voting assets
- Wrote a high-performance packet communication protocol for real-time server to server communication

Next.js, Prisma ORM, TypeScript, Bun, Ubuntu, Redis, Java, S3 Storage

AI-Enabled SaaS Website — *Senior Developer*

Production SaaS / Startup — 2024 to 2025

- Led the development of a cloud-native full-stack SaaS platform for entrepreneurs and game developers
- Shipped features such as blogging and AI powered content generation
- Deployed via CI/CD automatically with Git commits
- Oversaw product growth to thousands of monthly users

Next.js, React, TypeScript, Vercel, OpenAI

Full-Stack Analytical Event Tracking — *Senior Developer*

Production SaaS / Startup — 2023 to 2024

- Planned initial project setup and data schemas
- Orchestrated advanced query and filter for events to track users and visualize habits
- Delivered real-time dashboards, with geographic analysis, and route tracking
- Built configurable real-time dashboards enabling users to query and visualize custom event data

Next.js, React, TypeScript, Elysia, ReCharts

Contractor Agency — *Senior Developer*

Production Contractor Agency (1,000+ clients) — 2018 to 2023

- Developed long-life durable infrastructure to provide clients secure access to products
- Managed the bare-metal machines and ensured zero-trust access
- Routed thousands of authentication requests daily
- Created deployment pipelines to ensure zero downtime
- Grew to 1,000+ clients with 100% uptime

Java, React, TypeScript, Ubuntu, Jenkins, Git

SKILLS

Cloud Deployment: Platforms such as AWS, Vercel, Cloudflare
Modern languages: Java, TypeScript, JavaScript, Go, Python
Frontend with React, NextJS, Vue, Svelte, Astro
Backend: Elysia, Hono, Express, Spring, Django, Flask
Data: SQL (PostgreSQL, MySQL, etc) and NoSQL (MongoDB, JSON, Redis)
Infrastructure: Linux/Ubuntu, Docker, AWS, Cloudflare, CI/CD, GitHub Actions
Architecture: Distributed Systems, Rest APIs, real-time systems, authentication, CI/CD, database design
Language & Compiler Design: Tokenizers, parsers, ASTs, interpreters, evaluators
AI Engineering: Designed and implemented AI agents with tool calling and MCP-based integrations, building autonomous workflows around production applications and external services.

EDUCATION

Algonquin College:
Part-Time
Computer Programming
2026 to Present

CONTACT

https://eric.allamby.ca
https://linkedin.com/in/ericallamby
https://github.com/chubbyduck1