

Daryl Chymko

Senior Software Engineer

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SUMMARY

Senior Software Engineer with 15+ years of experience building secure and robust back-end systems, most recently using **Node.js**, **Java**, **PostgreSQL** and **cloud** infrastructure. Collaborated with distributed teams to architect high-performing applications that scaled to thousands of concurrent users while also reducing cloud costs by \$120K+. Expertise in implementing **end-to-end encryption**, containerized deployments with **Docker/ECS**, and **CI/CD pipelines**. Strong background in system optimization, infrastructure design, and technical mentorship.

PROFESSIONAL EXPERIENCE

Automattic (Day One) - Senior Software Engineer

September 2018 - Present

- Developed secure back-end API components serving thousands of users with **end-to-end encryption** for a privacy-centric journaling app.
- Implemented a **user access management** system in Shared Journals factoring in complexities around content ownership and permissions changes.
- Led infrastructure optimizations on a legacy cloud system that resulted in a **\$120,000 annual cost reduction** by improved usage patterns/strategies across S3, EC2.
- Implemented a new **Docker/ECS-based cloud infrastructure** providing scalable and highly available services that handle hundreds of concurrent users as well as thousands of requests per second.
- Built a customized PostgreSQL migration workflow to achieve seamless **zero-downtime schema and data changes** by running two versions in parallel.
- Implemented CI/CD pipelines using **GitHub Actions/Workflows** with testing steps. This improved and more reliable process resulted in the team deploying several times per day instead of twice a week.
- Refactored complex endpoints to **process data asynchronously** via a PGBoss job queue system, cutting response times and doubling request capacity.
- Worked autonomously and collaborated with **distributed** teams on architecture design, technical decisions, and defining API requirements. Summarized decisions with **clear written communication** to ensure alignment across development and product teams.

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infoMetrix - *Software Engineer & Owner*

April 2015 - September 2018

Client: Television Academy (Emmys)

- Developed a web-based **Laravel** system to manage Emmy nominations, processing thousands of entries per day, including full-length film assets.
- Implemented a dynamic, drag-and-drop form editing interface that **simplified workflows** by enabling administrators to customize entry forms across 100s of categories
- Built a resilient and scalable AWS infrastructure (Elastic Beanstalk, CloudWatch, RDS) to ensure 99.999% uptime during peak nomination periods.

Client: Complete Genomics

- Developed a custom data service that generated **unique, dynamic user avatars** (SVG) based on individual DNA sequences. Worked closely with data specialists to implement a specialized algorithm that ensured each avatar was uniquely derived from genomic data.

Change Heroes - *Senior Developer*

October 2013 - April 2015

- Designed and developed a high-performance web and mobile donation platform using Java on AWS, facilitating thousands of transactions for global social impact campaigns.
- Developed a **scalable** AWS-based video recording, transcoding, and streaming solution that processed hundreds of videos per day, ensuring low-latency delivery and high availability across the platform.
- **Mentored** and guided junior developers in agile development processes, helping them plan, develop, test, and release new features while fostering **best practices** in code quality, testing, and deployment.

TECHNICAL SKILLS

- **Languages:** Node.js, Java, C#, PHP
- **Databases:** PostgreSQL, MySQL on RDS
- **Cloud Services:** AWS (EC2, ECS, RDS, S3, SQS, SES), Docker, Elastic Beanstalk, VPCs
- **CI/CD:** Jenkins, Git, GitHub Actions/Workflows, CircleCI
- **Monitoring/Quality:** CloudWatch, DataDog, Semgrep
- **Mentoring & Leadership:** Junior developers, conducted code reviews, fostered agile best practices