

ERIC POLINO

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Employment

- **Nurx / Thirty Madison** - Staff Software Engineer 2022–2024
 - **Job Runner** Independently architected, implemented, and maintained an in-house asynchronous task running solution reducing related engineering efforts by 12% and running async jobs at scale across a suite of microservices using RabbitMQ, NestJS, and NodeJS/TypeScript.
 - **Architecture Review Group** Led an architecture review group for upcoming major technical projects. Participated in intake/scoping, facilitated review discussion, and coordinated feedback to engineers.
 - **Kafka Topic Isolation** Isolated Kafka topics within staging environments leading to improved stability and 26% reduced startup time across dozens of staging environments allowing for increased developer efficiency.
 - **Health Metric Standardization** Developed a reliable set of metrics to monitor service health by combining an internal NPM package, Terminus, and Kubernetes probes. Supported by DataDog for responsive analytics and monitoring.
 - **Core Services** Supported a microservices architecture as part of a small independently led engineer team with tools and libraries including: RabbitMQ, Kafka, NestJS, GraphQL, Prisma, Postgres, Kubernetes, and several AWS services.
- **Verikai** - Lead Backend Engineer 2021–2022
 - **Machine Learning Model Development:** Built the next iteration of the ML workflow responsible for processing census files using NodeJS and Typescript.
 - **AWS Cloud Solutioning** Piloted the creation of AWS solutions to better position the stack for CI/CD using ECS Fargate.
- **Vikus / HealthcareSource / symplr** - Lead Software Engineer 2014–2021
 - **Full Stack Web Development:** Developed an applicant tracking system utilizing C# and EmberJS. Backend tools included RabbitMQ, Redis, Elasticsearch, and AWS. AWS functions used: Lambda, S3, RDS, CloudFormation, CloudFront, et al.
 - **Integrations:** Wrote several integrations with outside vendors including, but not limited to, payroll vendors, JobBoards (Indeed, ZipRecruiter, Facebook, Google, et al.), Plivo, GitHub, Atlassian, and various WebHooks.
 - **Team Lead:** Led the team in a Kanban methodology of issue prioritization. Was a voice to the greater organization to help drive direction and roadmapping.
- **devstudio42 LLC** - Co-Founder / Programmer 2014
- **BlueCross BlueShield of TN** - Analyst Programmer 2009–2014
- **Google Summer of Code** - Intern May 2009–Aug. 2009, May 2007–Aug. 2007

Skills

- **Languages:** C#, Java, TypeScript, JavaScript
- **Development Tools:** Git, Github, Bitbucket, Gitlab, JIRA, Shortcut
- **Data Systems:** Postgres, SQL Server, RabbitMQ, Kafka, Redis
- **AWS:** S3, Lambda, RDS, MSK, EKS, Kubernetes

Personal Projects

- **Chess Engine** *2001-2004, 2010-2011*
 - Wrote chess variant engine in C and Java to play on the Free Internet Chess Server.
 - $\alpha\beta$ search, genetic algorithm, PN search, PN2 search
 - Utilized transposition tables and move heuristics
- **Reversi** *Fall 2008*
 - Won a programming tournament with a Reversi engine in C.
 - $\alpha\beta$ search, genetic algorithm, PN search, transposition tables
- **LOAPS POTM (dinsights.com/POTM/LOAPS/)** *2005*
 - Wrote a C program for the POTM programming contest that played LOAPS, a variant of the game Lines of Action. It placed 8th with a 56-16-2 record.
 - Monte Carlo search, PN search, genetic algorithm
- **Resume (github.com/aluink/Resume)** *2013-Present*
 - Written in \LaTeX

Education

- **Southern Adventist University** *Graduated 2009*
 - B.S. Computer Science
 - B.S. Mathematics
 - Outstanding Computer Science Senior Award - School of Computing
 - President Computer Club