

ERIC POLINO

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Employment

- **Thirty Madison** - Senior Software Engineer II *April 2022–August 2024*
 - **Job Runner** Designed, implemented, and maintained an in-house asynchronous job running solution. Using RabbitMQ, NestJS, and NodeJS/TypeScript, created a new standardized solution for running async tasks at scale across a suite of microservices.
 - **Kafka Topic Isolation** Isolated Kafka topics within staging environments leading to improved stability across dozens of staging environments leading to increased developer efficiency.
 - **Health Metric Standardization** Combining an internal NPM package, Terminus, and Kubernetes probes developed a reliable set of metrics to monitor service health.
 - **Core Services** Supported a microservices architecture with tools and libraries including: RabbitMQ, Kafka, NestJS, GraphQL, Prisma, Postgres, RoR, and several AWS services.
 - **Architecture Review Group** Led an architecture review group for upcoming major technical projects. Participated in intake/scoping, led review discussion, and facilitated feedback to engineers.
- **Verikai** - Lead Backend Engineer *November 2021–March 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** Worked to create AWS solutions to better position the stack for CI/CD using ECS Fargate.
- **Vikus / HealthcareSource / symplr** - Lead Software Engineer *December 2014–November 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, 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 *April 2014–December 2014*
 - **Rails Support:** Provided Ruby on Rails support on retainer for local startup. Performed feature development and bugfixes for calendar functions using FullCalendar, jQuery, and CSS.
 - **iOS Development:** Taught myself iOS to create public speaking application. Was responsible for iOS development including video/camera usage, REST API communication, Core Data, layout, and navigation.
- **BlueCross BlueShield of TN** - Analyst Programmer *July 2009–April 2014*
 - **myBlueTN Mobile App:** Designed and built registration and user profile modules for a new hybrid mobile application. Was the sole developer responsible for all future development, support, and maintenance.

- **Inpatient Census Tool:** Designed and built a J2EE web application to aggregate inpatient authorization data. Provided multi-tier listings and incorporated predictive data to provide better foresight to the nursing staff.
- **Biometric Screening Interchange:** Designed and implemented data entry system along with a secure automated transfer mechanism to an offsite location using JSF and AES 256.
- **Google Summer of Code - Intern** *May 2009–Aug. 2009, May 2007–Aug. 2007*
 - **GObjectification:** Worked on the *Pidgin* open source project aiding in the conversion of the core instant message library to utilize the GObject framework in C.
 - **Finch:** Developed enhancements to the open source console based instant message client *Finch* in the *Pidgin* project.

Tooling and Language Experience

- C#, Java, TypeScript, JavaScript, L^AT_EX
- Github, Bitbucket, Gitlab, JIRA
- RabbitMQ, Kafka, ElasticSearch, Redis
- Postgres, SQL Server
- AWS: S3, Lambda, CloudFormation, MSK
- Windows and Linux environments

Personal Projects

- **Suicide Chess** *2001-2004, 2010-2011*
 - Wrote suicide chess program in C to play on the Free Internet Chess Server.
 - Implemented the proof-number search algorithm for finding forced wins.
 - Utilized transposition tables and killer heuristics to reduce the branching factor of the $\alpha\beta$ search tree.
- **Reversi** *Fall 2008*
 - Wrote a Reversi engine in C for a tournament.
 - Created a genetic algorithm to improve the evaluation function.
 - Won the tournament with a perfect record and the only engine to have a positive +/- score.
- **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.
 - Used PN search to enhance play to find forced wins
 - Created a genetic algorithm to learn an evaluation function.
- **Resume (github.com/aluink/Resume)** *2013-Present*
 - Maintain my resume in L^AT_EX

Education

- **Southern Adventist University (SAU)** *2005-2009*
 - B.S. Computer Science
 - B.S. Mathematics