Joey **McKenzie**

SENIOR SOFTWARE ENGINEER · DEVELOPER ADVOCATE

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Sum**mary**

Seasoned developer with diverse experience building enterprise-grade distributed software systems with **.NET**, **Java** and **TypeScript** in industries including healthcare, insurance, manufacturing, and fintech. I specialize in building fast, efficient web-based services and APIs, software architecture and design, software leadership and mentorship, and delivering high quality software products at nationwide scale.

I am an avid contributor to **open source** and technology communities primarily in the **Rust** and **TypeScript** alongside contributions in **Go**. I enjoy dispersing knowledge and experience with other like minded developers that share a similar passion for software development. I write and produce technical publicly available on my blog, Twitch, and YouTube exploring emerging technologies with a focus on developer relations.

Exp**erience**

National Funding
Remote

SENIOR SOFTWARE ENGINEER — *Jan. 2022 - Present*

- Developing **.NET** microservices, **React** applications, and **AWS** infrastructure supporting financial operations and line-of-business applications
- Integrating lending partner **APIs** into **backend** systems, increasing customer lending conversion by 50%
- Managing **CI/CD pipelines** and automated processes with **AWS**, **Terraform**, **Jenkins**, and containerized **Docker** environments
- Upgrading internal **.NET** infrastructure improving performance and speed by 30% while reducing **AWS** costs
- Troubleshooting applications errors using log aggregation services with **OpenSearch** and **Kibana**
- Led company-wide modernization efforts to develop external **APIs** publicly available to consumers in the fintech space

MediKeeper
Remote

SOFTWARE ENGINEER — *Dec. 2020 - Jan. 2022*

- Developed **.NET** and **Vue** applications deployed to **Azure** infrastructure
- Iterated on **UX** with product designers to increase user retention and impression conversion rates
- Created **CI/CD pipelines** and automated processes with **Azure DevOps** to improve existing build times
- Administered **SQL Server** and **Oracle** databases while improving business critical query times by up to 60%
- Improved existing system architecture by migrating legacy **.NET Framework** applications to modern **.NET**
- Maintained integration suites with **JavaScript** and **Cypress** to automate platform testing, increasing QA velocity by 20%

Sierra Pacific Industries
Redding, CA

SOFTWARE ENGINEER — *Jan. 2020 - Dec. 2020*

- Developed internal applications and dashboards using modern **RPG ILE** on the **IBM iSeries AS/400** and **.NET** for desktop applications
- Migrated brownfield and legacy applications to modern **RPG** architectures increasing application response times
- Improved business critical **PL/SQL** queries for **embedded systems** by up to 40% in several applications
- Administered system tasks on the **IBM iSeries AS/400** to maintain environmental integrity increase system up-time
- Managed database schemas with **SQL Server** using **SSMS** to support inventory management operations

VSP Global
Sacramento, CA

ASSOCIATE SOFTWARE ENGINEER — *Jun. 2018 - Jan. 2020*

- Developed **Java** APIs and **Angular** applications with **TypeScript** for nationwide use by optometry offices and retailers
- Migrated **JEE** and **Spring** applications to **Spring Boot** while increasing response times by up to 25%
- Lead development of **Angular** applications utilizing **Angular Material**, **SCSS**, **NgRx**, and modern web standards
- Created and maintained **CI/CD pipelines** with **Jenkins** deployed to **AWS** hosting infrastructure
- Administrated systems and servers while migrating workloads off legacy **Windows** servers to **Linux**-based servers
- Assisted in troubleshooting company-wide service outages and application performance issues with **Splunk** and **Wily**

Engility Corporation
San Diego, CA

OPERATIONS RESEARCH ANALYST — *Sept. 2016 - May. 2018*

- Provided contractor support for SPAWAR 1.0 Finance Division in the form of **data analysis** and **systems engineering**
- Wrote and maintained **VBA** and **R** codebases to perform data analysis and spreadsheet specific functionality
- Performed regression analysis and **statistical programming** using **R** with classified financial datasets
- Extensively used **Excel** and **RStudio** for data reporting and high level graphical analysis and exploration
- Maintained databases of financial data and provided ad hoc **SQL** reporting for various projects

Edu**cation**

San Diego State University
San Diego, CA

BACHELOR OF SCIENCE IN ASTROPHYSICS, MINOR IN MATHEMATICS — *May 2016*

- Coursework included training in scientific computation, procedural and object-oriented programming, advanced mathematics and physics, data structures, and numerical algorithms with thesis on **computational photometry for stellar astrophysics**