

# Joey McKenzie

DEVELOPER · CONTENT CREATOR · CONTRIBUTOR

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## Experience

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### National Funding

Remote

SOFTWARE ENGINEER

January 2022 - Present

- Developing .NET-based microservices supporting financial operations and line-of-business applications
- Managing CI/CD pipelines and automated processes with AWS, Terraform, and Jenkins
- Maintaining Terraform deployment plans to multiple environments for a fleet of .NET microservices
- Configuring various AWS services with infrastructure as code using Terraform and HCL
- Troubleshooting applications errors using log aggregation services with OpenSearch and Kibana
- Integrating third party APIs into backend systems to increase customer lending conversion by 50%
- Interviewing candidates for frontend and backend software engineering roles available within the company

### MediKeeper

Remote

SOFTWARE ENGINEER

December 2020 - January 2022

- Developed SaaS-based health and wellness platform used by enterprise clients nationwide
- Wrote, debugged, and tested .NET and Vue applications integrated into a custom CMS software
- Managed CI/CD pipelines and automated processes with Azure
- Administered SQL Server and Oracle databases in various environments
- Coordinated with legacy software teams to migrate sunset applications to modern .NET and Vue
- Mentored and trained developers on engineering best practices and processes across the technology stack
- Interviewed candidates for software engineering roles available within the company

### Sierra Pacific Industries

Redding, CA

APPLICATION DEVELOPER

January 2020 - December 2020

- Developed internal applications using modern RPG ILE for use on the IBM iSeries AS/400 and VB.NET for desktop applications
- Optimized SQL queries and commands to increase manufacturing proficiency for embedded systems
- Maintained legacy codebases concerning order and manufacturing processing
- Performed system administration tasks on the IBM iSeries AS/400 to maintain environmental integrity and system up-time
- Administered database development operations with DB2 and SQL Server interfacing with IBM and .NET applications
- Ad hoc querying and report generation with SQL Server Management Studio, Visual Studio, and RDI

### VSP Global

Sacramento, CA

ASSOCIATE SOFTWARE ENGINEER

June 2018 - January 2020

- Developed Java-based APIs and Angular frontend applications for nationwide use by optometry offices and retailers
- Integrated codebases with Spring and Spring Boot backed by SQL Server and DB2 databases
- Lead development of a mission critical enterprise web application rewrite using Angular with TypeScript
- Deployed applications to Windows and RHEL servers with AWS using automated CI/CD pipelines with Jenkins
- Provisioned and managed a fleet of Windows and Linux servers using RDCM, Chef, and VMware
- Coordinated with multiple domain teams to develop and design contracts between applications, systems, and software services
- Assisted with schema and table maintenance of IBM DB2 and SQL Server instances and query optimization in application code

### 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 an databases of financial data and provided ad hoc SQL reporting for various projects
- Coordinated ETL efforts and data normalization between engineering and financial teams

## Education

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### San Diego State University

San Diego, CA

B.S. ASTROPHYSICS, MATHEMATICS MINOR

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**