

Joey McKenzie

DEVELOPER · CONTENT CREATOR · CONTRIBUTOR

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Experience

National Funding

Remote

SOFTWARE ENGINEER

January 2022 - Present

- Developing .NET-based microservices for financial services and line-of-business applications
- Integrating .NET microservices with Salesforce and external loan and funding technology teams
- Managing CI/CD pipelines and automated processes with AWS
- Overseeing Terraform deployment plans to multiple environments for a fleet of .NET microservices
- Configuring various AWS services with infrastructure as code using Terraform and HCL
- Working with product teams and system analysts to define technical requirements and user stories
- Participating in scrum ceremonies including daily stand ups, grooming sessions, and retrospectives
- Integrating third party financial products and APIs
- Troubleshooting applications errors using log aggregation services with OpenSearch and Kibana
- Writing technical documentation for systems and development workflows
- Maintaining code convention and quality developer guidelines and microservice solution templates for teams
- Interviewing candidates for frontend and backend software engineering roles available within the company

joeymckenzie.tech

Redding, CA

CONTENT CREATOR AND OSS CONTRIBUTOR

October 2019 - Present

- Writing technical blog articles on various technologies spanning domains across the stack
- Streaming live code sessions with varying languages and frameworks on Twitch
- Interacting with stream viewers to answer technical questions and providing guidance
- Managing a YouTube channel targeting developer audiences with short form technical content
- Maintaining personal portfolio written with technologies in React, Next.js, and MySQL
- Managing deployment pipelines with Netlify and Vercel for portfolio and client websites
- Contributing to open source projects and libraries freely available for developers to use

MediKeeper

Remote

SOFTWARE ENGINEER

December 2020 - January 2022

- Developed a SaaS 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
- Worked with product teams and system analysts to define technical requirements and user stories
- Lead scrum ceremonies including daily stand ups, grooming sessions, and retrospectives
- Practiced agile software development based on two week sprint intervals
- Coordinated with legacy software teams to migrate sunset applications to modern .NET and Vue
- Troubleshot applications and assisted with root cause analysis for production issues
- Participated in a rotating on-call support team with other software engineers
- Wrote documentation for technical systems and development workflows
- 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 embedded SQL queries and commands for system performance gains and refactoring insecure and inefficient SQL
- Used Rational Application Developer for i (RDi) for RPG development and Visual Studio 2019 for .NET
- Architected new program features and existing bug fixes for various company personnel
- Maintained legacy codebases concerning order and manufacturing processing
- Refactored existing code to adhere to modern RPG and VB.NET standards
- Performed system administration tasks on the IBM iSeries AS/400 to maintain environmental integrity and system up-time
- Coordinated with business analyst to define technical user requirements and acceptance criteria for new feature requests
- Participated in troubleshooting user issues in a timely fashion and orchestrating immediate hotfix solutions
- Administered database development operations with DB2 and SQL Server interfacing with IBM and .NET applications
- Designed new tables to conform with existing normalized table schema to assist with data warehousing and OLTP-related tasks
- Ad hoc querying and report generation with SQL Server Management Studio, Visual Studio, and RDi

VSP Global

ASSOCIATE SOFTWARE ENGINEER

Sacramento, CA

June 2018 - January 2020

- Developed Java-based API and SOAP software applications consumed by optometry offices and retailers nationwide
- 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
- Maintained a multitude of existing legacy and modern application codebases comprising of several millions of lines of code in total
- Updated several mission critical legacy Java EE applications for optometry practices used nationwide with new features
- Deployed applications to Windows servers, Linux servers, and AWS using automated CI/CD pipelines with Jenkins
- Provisioned and managed a fleet of Windows and Linux servers using RDCM, Chef, and VMware
- Participated in a rotating 24/7 on call schedule to provide production application support
- Coordinated with multiple domain teams to develop and design contracts between applications, systems, and software services
- Designed new features for legacy monoliths, APIs, and frontends as well as fixed existing bugs
- Practiced agile software development with scrum in two week sprint-based development work
- Assisted with schema and table maintenance of IBM DB2 and SQL Server instances and query optimization in application code

Engility Corporation

OPERATIONS RESEARCH ANALYST

San Diego, CA

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 Navy-based datasets
- Extensively used Excel and RStudio for data reporting and high level graphical analysis and exploration
- Maintained an Access database of financial data and provided ad hoc SQL reports for various projects
- Coordinated ETL efforts and data normalization between engineering and financial teams

Education

San Diego State University

B.S. ASTROPHYSICS, MATHEMATICS MINOR

San Diego, CA

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
- **Photometry of Eclipsing Binary V11 in NGC 7789** - undergraduate thesis on computational photometry for eclipsing binary stars in a nearby globular cluster with numerical analysis using Fortran

Developer Toolbelt

Languages, Scripting & Configuration

- **Programming:** C#, TypeScript, Go, Rust, Java, Python
- **Querying:** PL/SQL, T-SQL
- **Scripting and Markup:** HTML, CSS, Bash, PowerShell
- **Configuration:** JSON, YAML, TOML, HCL, XML

Libraries, Frameworks & Databases

- **Backend/Web:** .NET, Spring Boot, Nest, Express
- **Frontend:** Angular, React, Vue, Blazor, jQuery, AngularJS
- **Databases:** SQL Server, Oracle, IBM DB2, Postgres
- **Styling:** SASS, Bootstrap, Tailwind, Material

DevOps & CI/CD

- **Monitoring:** Splunk, Kibana, OpenSearch
- **CI/CD & IaC:** Jenkins, GitHub Actions, Azure DevOps, Terraform
- **Azure:** Pipelines, Repos, App Service, Blob Storage, CDN
- **AWS:** CodePipelines, SSM, S3, CloudFront, ECS
- **Static Hosting:** Netlify, Vercel, Azure Static Websites

Web & Server Technology

- **VCS:** Git, GitHub, VSTS
- **Web/DevTools:** All major browsers, Postman, framework DevTools
- **Servers and OS:** Windows, MacOS, Ubuntu, Debian
- **Containerization:** Docker, Docker Compose, DockerHub

Tools & Software

- **IDEs/Editors:** JetBrains Suites, Visual Studio, VS Code
- **Administration:** SQL Server Management Studio, DataGrip
- **Communication:** Slack, Confluence, Outlook, Discord, Gitter
- **Productivity:** Jira, Trello, Breezy, Todoist
- **Spreadsheets:** Google Sheets, Excel

Agile & Team Management

- Individual contributor on teams ranging from small to large enterprises
- Participating in and running common Scrum ceremonies
- Interviewing engineering candidates with code screenings/pairing exercises
- Writing technical documentation and developer guidelines in Confluence
- Communicating with stakeholders to define expectations and timelines