Joey McKenzie

Senior Software Engineer

joey.mckenzie27@gmail.com | joeymckenzie.tech | JoeyMcKenzie | JoeyMcKenzie | _joeyMcKenzie

Summary

As an accomplished senior software engineer, I possess a strong track record of building intricate and scalable software systems across diverse industries, such as healthcare, insurance, manufacturing, and fintech. While excelling in developing cloud-based web services and APIs using .NET, Java, and TypeScript, with a seamless integration into AWS and Azure, I have also demonstrated expertise in crafting modern web applications utilizing Angular, React, and Vue. However, my true passion lies in software architecture and design, where I have honed my abilities to lead and mentor software teams, ensuring the delivery of exceptional products on a nationwide scale.

In addition to my professional achievements, I actively contribute to the open-source community, leaving my mark on the .NET, Rust, and TypeScript ecosystems. My contributions span across reputable platforms like GitHub, Vercel, and Netlify, where I have hosted various community projects. Committed to sharing my wealth of knowledge and experience with fellow developers, I have also established a notable online presence through my technical blog, Twitch channel, and YouTube platform, all geared towards developer advocacy. By emphasizing my leadership skills and expertise, I am confident that I can bring immense value to any team aspiring to construct high-quality, scalable software systems.

Experience

National Funding — *Remote*

Senior Software Engineer — *Jan. 2022 - Present*

- Designing and developing high-performance .NET microservices, React applications with Next.js, and AWS infrastructure to support financial operations, resulting in improved efficiency and scalability
- Spearheading the successful migration of multiple legacy service domains to serverless architectures with AWS, leading to increased overall system uptime and reliability
- Leading the development of robust, event-driven .NET services by integrating with third-party partner APIs such as Salesforce and Plaid, resulting in streamlined processes and improved user experiences
- Managing end-to-end CI/CD pipelines and automated processes with AWS, Terraform, Jenkins, and containerized workflows with Docker, ensuring seamless deployments and improved release cycles
- Modernizing internal legacy .NET infrastructure to improve performance and speed by 25%, resulting in increased efficiency and productivity
- Proactively identifying and resolved system outages using log aggregation services such as OpenSearch and Kibana, minimizing downtime and improving system reliability
- Maintaining company-wide build artifacts and frameworks with NuGet and source code with GitHub, ensuring efficient collaboration and version control among cross-functional teams

MediKeeper — *Remote*

Software Engineer — *Dec. 2020 - Jan. 2022*

- Led the development of scalable SaaS applications using .NET and JavaScript, utilizing Vue.js and Azure infrastructure
- Collaborated with cross-functional teams and UX designers to create responsive, user-friendly interfaces based on Sass and Material Design with Figma
- Successfully migrated existing CI/CD pipelines and automated processes to Azure DevOps, resulting in significantly improved build times
- Administered SQL Server and Oracle databases, enhancing business-critical query times by up to 35%
- Revamped legacy .NET Framework applications to modern .NET, improving the overall system architecture
- Automated platform testing using JavaScript and Cypress integration suites, increasing QA velocity by 20%

Sierra Pacific Industries — *Redding, CA*

Software Engineer — *Jan. 2020 - Dec. 2020*

- Designed and developed internal applications and dashboards for inventory management using modern RPG ILE on the IBM iSeries AS/400 platform and .NET for desktop applications
- Successfully migrated multiple brownfield and legacy applications to modern RPG architectures, resulting in increased application response times
- Optimized business-critical PL/SQL queries for embedded systems, achieving performance improvements of up to 40% across several applications
- Managed company-wide build artifacts using a combination of RDi, Azure DevOps, and VSTS, streamlining the build and deployment process for all applications
- Administered SQL Server databases using SSMS to support inventory management operations, including managing database schemas and performance tuning

VSP Global — *Sacramento, CA*

Associate Software Engineer — *Jun. 2018 - Jan. 2020*

- Spearheaded the development of Java-based APIs and Angular applications with TypeScript, which were hosted on AWS infrastructure
- Revamped legacy JEE and Spring applications to modern Spring Boot, thereby achieving up to 25% improvement in response times
- Led a team of developers to create Angular applications using Material Design, Sass, RxJS, NgRx, and other modern web standards
- Established and maintained streamlined CI/CD pipelines, using tools such as Jenkins, Chef, and Docker
- Managed company-wide build artifacts with Artifactory, while maintaining source code with BitBucket
- Conducted troubleshooting and Root Cause Analysis (RCA) for service outages and performance issues using Splunk and Wily tools

Engility Corporation — *San Diego, CA*

Operations Research Analyst — *Sept. 2016 - May 2018*

- Developed and maintained VBA and R codebases for data analysis and spreadsheet automation tasks
- Provided contractor support for U.S. Department of Defense programs, specializing in cost engineering and procurement data analysis
- Leveraged R to perform statistical programming and regression analysis, refining financial expenditure models
- Managed and automated Excel spreadsheets and codebases using RStudio, streamlining data analysis and exploration
- Maintained and managed databases of financial data, providing ad hoc SQL reporting for various projects and stakeholders

Education

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, physics, astronomy, data structures, and numerical algorithms