

Joey McKenzie

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EXPERIENCE

Senior Software Engineer

Jan. 2022 – Present

National Funding

San Diego, CA (Remote)

- Led development team of 10 migrating loan financing applications from legacy .NET to distributed .NET 8 microservices
- Migrated legacy Angular.js loan application management portals to PHP, Laravel, React, and TypeScript with Inertia.js
- Improved code quality tooling for React and Laravel applications by integrating ESLint, Prettier, PHPStan, and Rector
- Built robust third-party API integrations in .NET and PHP for Salesforce and mission-critical company partnerships
- Reduced Docker image sizes by 25% for 70+ .NET 8 services on AWS ECS while rewriting IaC from Python to Terraform
- Increased lead aggregation rates by 30% rewriting Angular.js applications to PHP and Laravel with Salesforce integration
- Wrote custom Laravel Eloquent integrations for Salesforce, allowing developers to reuse Eloquent's API for native objects

Software Engineer

Dec. 2020 – Jan. 2022

MediKeeper

San Diego, CA (Remote)

- Led migration of legacy .NET and PHP health and wellness portals to microservices with .NET 5 and Symfony 5
- Built frontend features with Vue.js, TypeScript, and Nuxt.js, migrating legacy WebForms UI modules built with Razor
- Improved code quality tooling for Vue.js and PHP applications by integrating ESLint, Prettier, PHPStan, and Rector
- Reduced CI pipeline build times by 50% rewriting pipelines to Azure DevOps and Terraform deployed to ACS with Docker
- Increased test coverage by 40% across .NET, PHP, and Vue.js applications with xUnit, PHPUnit, Jest, and Cypress

Software Engineer

Jan. 2020 – Dec. 2020

Sierra Pacific Industries

Redding, CA

- Rewrote legacy IBM RPG embedded inventory management systems to .NET Core 3.1 web services deployed to Azure
- Migrated IBM RPG accounting systems responsible for managing \$800 million in revenue to Angular 8 and TypeScript
- Implemented code quality tooling with ESLint and Prettier for Angular applications while achieving 80% test coverage
- Improved reliability of SQL-based DB2 queue and notification systems migrating to Azure Service Bus and Functions

Associate Software Engineer

Jun. 2018 – Jan. 2020

VSP Vision Care

Sacramento, CA

- Developed product features for vision insurance patient management systems written with Java, JEE, and Spring Boot
- Built public-facing user portals for nationwide retailers managing 2 million MAU with Angular 6 and TypeScript
- Improved test coverage for Java and Angular applications by 35% with Karma, Cucumber, Selenium, and JUnit
- Reduced CI build times by 20% for Java and Angular applications migrating existing pipelines to Jenkins and Chef

Operations Research Analyst

Sep. 2016 – May 2018

SAIC

San Diego, CA

- Wrote statistical cost models with R and data pipelines with C# and .NET Core 2.1 using federal financial datasets
- Migrated internal cost reporting data storage from Excel sheets to SQL Server managed by .NET Core 2.1 web services
- Improved performance by 25% for existing internal ETL processes with Tableau by migrating workflows to .NET and R

TECHNICAL SKILLS

Languages: C#, TypeScript, JavaScript, SQL (SQL Server/Postgres/DB2), Java, Rust, PHP, HTML, CSS

Frameworks: .NET Framework/Core, .NET 5+, React, Angular, Vue, Spring, Spring Boot, Next.js, Nuxt.js, Laravel

Developer Tools: Git, GitHub, Docker, Terraform, Jenkins, VS Code, Visual Studio, JetBrains IDEs, Postman

AWS: SNS, SQS, EC2, ECS, Lambda, S3, API Gateway, Step Functions, EventBridge, ElastiCache, CloudWatch, Cognito

EDUCATION

San Diego State University

San Diego, CA

Bachelor of Science in Astrophysics, Minor in Mathematics

May 2016

PROJECTS

joeymckenzie.tech | *Tailwind, Alpine.js, Laravel, Livewire, PHP, Docker, Fly.io*

- Personal website and tech blog powered by the TALL-stack and containerized with Docker and deployed to Fly.io
- JavaScript interop with Shiki for content highlighting and code samples in C#, PHP, Rust, and TypeScript

Open Brewery DB PHP Client | *PHP, GitHub, Packagist*

- Provides a PHP client for the Open Brewery DB API, housing public brewery data for over 8,000 breweries globally
- Supports PHP 8.3 with code quality tools in PHPStan, PHPUnit, Pest, and Rector publicly available on Packagist

GitHub RealWorld Go/Blazor/Rust | *Go, Rust, C#, Blazor, WASM, .NET, GitHub*

- RealWorld implementations built with Go, Rust, and Blazor combining for 400 stars and featured on CodebaseShow