

Nick Withers

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Software Engineer with experience building internal platforms, backend services, and large-scale data synchronization systems using .NET, SQL Server, and modern web technologies.

EDUCATION

University of California, Davis

September 2019 - December 2022

BS Computer Science

GPA: 3.96 - Graduated with Honors

SKILLS

Languages: C#, Java, Python, SQL, JavaScript

Backend & APIs: .NET, Entity Framework, REST API design, LINQ

Systems: Parallel processing, scheduled jobs, data synchronization, audit logging

Databases: SQL Server, relational schema design, query optimization

Frontend: React, Next.js, Blazor, Tailwind CSS

Infrastructure & Tools: Git, Azure DevOps, CI/CD pipelines, Postman, Visual Studio

Reporting & Analytics: Power BI, Power BI Report Builder, Power BI Report Server

EXPERIENCE

California Franchise Tax Board

May 2024 - Present

Software Developer

Sacramento, CA (hybrid)

- Designed and built a .NET-based enterprise asset and license management platform supporting bulk allocation workflows across 6,000+ applications and 1,600+ licenses
- Developed a REST API service and companion CLI tool to centralize database access and eliminate direct client-side database exposure
- Developed a scheduled, parallelized data synchronization engine integrating 3 external APIs, processing datasets including 16,000+ computers, 37,000+ users, and 1.3M+ discovery records
- Designed reliability features including concurrency controls, structured logging, and scheduled execution pipelines to support consistent cross-system synchronization
- Refactored legacy stored-procedure-based data access into LINQ-driven patterns, improving maintainability and simplifying backend logic
- Designed relational schemas and optimized cross-database queries supporting backend operations
- Built Power BI and paginated reports to support operational reporting and audit visibility across internal software workflows

Boeing

August 2023 - May 2024

Software Test Automation Engineer

San Luis Obispo, CA (hybrid)

- Built and maintained automated regression testing frameworks for enterprise web applications using JavaScript and TestComplete
- Developed reusable testing modules integrated into CI validation workflows within Agile/Scrum development environments

PROJECTS

LogoBuddy – AI Logo Generator

logobuddy.app

- Built and deployed an AI-powered logo generation platform using Next.js and OpenAI APIs, including secure server-side API routes, structured brand inputs, and responsive client-side UI
- Designed the generation workflow to translate user-provided brand details into image prompts and return downloadable logo outputs

Spinery – Virtual Bookshelf Web Application

[spinery](https://spinery.com)

- Developed a full-stack application using Next.js and Firebase, integrating the Google Books API to support authenticated user-specific cloud data storage

Cryptocurrency Discord Bot

- Built a Python Discord bot integrating the Live Coin Watch API to fetch real-time token data, handle user commands, and update server status with live prices every 30 seconds