

Benjamin Wilson

Full-Stack Web Engineer

Philadelphia, PA

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TECHNICAL SKILLS:

Software development:

Full-stack web development using TypeScript, Node, Express, React, Next.js, ASP.NET Core, and C#. Exposure to Python.
Static site development using JavaScript, HTML5, and CSS3.
Data storage and querying using MongoDB, PostgreSQL, and SQL Server.
Testing with Jest, Mocha, and Postman.
Deployment and CI/CD configuration using Gulp, Webpack, Bitbucket Pipelines, AWS, Heroku, and Vercel.
Video game development using Unity 3D and Godot.
Debugging, refactoring, organization, process automation, and custom internal tooling.

Project lifecycle & management:

Software versioning using Git, GitHub, and Bitbucket. Open-source contributions.
Scrum, Agile, Kanban, collaborative/pair programming, pull requests, and code reviewing.
Project management using Jira and Trello.
Documentation using Confluence and Google Docs.
Technical writing, especially manuals, how-tos, READMEs, and API documentation.

EXPERIENCE:

Founder and Full-Stack Engineer, January 2024 – Present

LyfeSchedule, remote

- Design, plan, document, and develop a next-generation productivity/todo app featuring a calendar view, task scheduling, date ranges, repeating tasks, tags, time estimates, and more
- Implement the app from the ground up using Next.js, Node, Express, React, TypeScript and MongoDB
- Follow modern React best practices, such as using reusable components, memos, and Context
- Collaborate with a UX designer to create an accessible and beautiful UI then implement it using TailwindCSS
- Implement business rules on the back-end to provide a consistent and performant API for the front-end
- Deploy and configure the app on Vercel and invite beta testers to use it and provide feedback

Software Engineer, June 2021 – January 2024

Virbela, remote

- Developed back-end microservices to support a real-time metaverse platform distributed across three continents
- Developed front-end React apps for internal staff and end users to manage and configure the platform
- Spearheaded designing and implementing a new web API utilizing protocol buffers to maximize performance
- Refactored and modularized legacy jQuery projects to be ported to React
- Deployed projects to AWS and streamlined releases using Bitbucket Pipelines

Software Engineer, April 2019 – May 2020

Spectra Media Group, Philadelphia, PA

- Debugged and enhanced a sophisticated distributed system for reserving toll-free telephone numbers, comprised of hundreds of Windows apps and services utilizing C#, VB.NET, and SQL Server
- Maintained a suite of internal tools for managing, querying, and reporting on those numbers using Node.js, Ember.js, and SQL Stored Procedures
- Diagnosed and fixed bugs related to daily system performance reports, making business insights more accurate

Web Application Developer, July 2017 – February 2021

Capstan Tax Strategies, Jenkintown, PA

- Designed a web app for employees to easily store and reference tax documents, featuring user roles, tags, keyword search, and a built-in PDF viewer
- Developed the application using Angular, Angular Material, Node, Express, and PostgreSQL
- Deployed the application to AWS, utilizing EC2, S3, RDS, SES, and Lambda

EDUCATION:

TEMPLE UNIVERSITY, College of Science & Technology, Philadelphia, PA

B.Sc. in Computer Science, December 2017

Major GPA: 3.67 | Cumulative GPA: 3.48 | Distinction in Major