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Benjamin Wilson
Full-Stack Software Engineer

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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

EXPERIENCE:

Founder and Full-Stack Engineer, January 2024 – Present
LyfeSchedule, remote
- Design, plan, and develop a next-generation 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 and 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 querying and reporting on those numbers using 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

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. Static site generation using Remix.
Data storage and querying using MongoDB, PostgreSQL, and SQL Server.
Testing with Jest, Mocha, and Postman.
Build configuration with Gulp, Webpack, and Rollup.
Deployment and CI/CD configuration using AWS, Heroku, Vercel, Fly.io, Bitbucket Pipelines, and GitHub Actions.
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.