

Zachary R. Barnes

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Programming Languages and Skills

Python, Object-oriented programming, Python web services, SQL databases, Git/GitHub, C, IT infrastructure, Networking concepts, React, Node.js, SQL, MongoDB, HTML, CSS, JavaScript

Work Experience

Vistar, Denver, CO (January 2022 to Present) - SQL Database Developer

- Developed a customized warehouse management system that significantly improved efficiency:
- Implemented a highly tailored warehouse management system using SQL server database stored procedures.
- Enhanced warehouse operations by introducing performance improvements via analyzing stored procedure execution plans.
- Engaged with product users and customers to define objectives, ascertain requirements, and formulated actionable plans.
- Instituted process reforms such as location profile management, carrier service level grouping, and refined control value handling - leading to a significant reduction in data entry hours.
- Utilized SCRUM and Agile methodologies to ensure timely delivery, meeting business and customer timelines.
- Regularly took on extra tasks after completing assigned sprint duties and conceptualized solutions to heighten sprint task efficiency.

SocexSolutions, Denver, CO (October 2020 to Present) - Software Developer

- Innovated and managed a variety of software projects.
- Orchestrated and maintained MeetingMinder - a containerized multi-tiered application designed for optimizing meeting agility.
- Constructed NEXT.JS web applications tailored to various clients.
- Leveraged an array of JavaScript libraries such as MongoDB, Express, Axios, Puppeteer, and React.
- Successfully penned several web scraping scripts to gather data from the internet.
- Frequently employed both Windows and Linux terminals to customize and operate various coding applications.

Technical Experience

MeetingMinder: A dynamic meeting streamlining application for professionals.

- Co-architected a containerized multi-tiered application to enhance meeting efficiency.
- Crafted a custom responsive UI theme from scratch with Next.js.
- Engaged Git, GitHub Pull Requests, and Mocha to introduce a CI pipeline for rapid development cycles.
- Coordinated with contributors effectively through Notion's kanban board, systematically allocating tasks.
- GitHub: [SocexSolutions/agenda-v2](#) | Live Site: [meetingminder.dev](#)

Bentley Consulting Association A meticulously designed website for Bentley's Consulting Association.

- Devised a responsive UI aligned with the client's specifications.
- Infused custom animations to augment user engagement.
- Experimented with multiple color palettes in line with the website's color guidelines.
- GitHub: [thudsonbu/bca](#) | Live Site: [bentleyconsultingassociation.vercel.app](#)

Prescient An intuitive daily habit tracker application.

- Conceived a Chart.js wrapper promoting readability and usability.
- Leveraged the NEST.JS backend framework focusing on scalability and testing.
- Executed a GraphQL API to counteract typical overfetching issues.
- [closed source (ask for code snippet)]

ChatGPT Plugin Alpha Development Alpha-stage development of plugins for ChatGPT.

- Secured a position in OpenAI's exclusive Alpha ChatGPT Plugin developer program.
- Innovatively utilized a Generative Pretrained Transformer to prototype and test plugins, supporting OpenAI's alpha plugin testing initiative.