United States
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Sammy Dowds

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Experienced full stack engineer specializing in building out performant, delightful, and scalable user experiences on both the frontend and backend. Adept at taking a new feature or page from design to production through the entire stack. I am a champion of the user and I prioritize quality and user experience over everything else.

Work Experience

Full Stack Engineer **Zumper** Oct 2020 - Dec 2023
Growth Team Remote

- Won hackathon by implementing a new admin dashboard for SEO content, saving 5+ mins per paragraph entry
- Architected cost of living scraper and pipeline to update data in our content service
- Built API endpoints to consume CSV's of neighborhood and city data, saving 15+ mins per manual entry for our content team
- Built a rent research data pipeline using AWS SQS to update data for our new rent research page when data science generated new results
- Built various features which were designed for server side rendering and improving performance on initial page load

Conversion & Revenue

- Improved the frontend deploy process per deploy by 30+ minutes by introducing release branches
- Converted all frontend apps to Sentry, from Rollbar saving $100+/mo
- Won hackathon by building a page allowing property managers to bid for higher spots in our search algorithm
- Improved accessibility across web pages and developed a standard for testing issues

Manage

- Designed and implemented a new building flow for property managers to onboard into the platform
- Won hackathon by introducing a quality score to new properties, with live feedback as you edited data
- Championed new component library in React to be used across every frontend repo

Projects

- **Terminal** is a project that utilizes the concepts of RAG (Retrieval-Augmented Generation) and exports tools to ingest PDFs and allow for processing of a query over those documents. Documents are processed and chunked by lanchain tools, embedded with OpenAI, and then stored in postgres (pgvector). A processor is also available which facilitates retrieval and generation for a given query.
- **Cyber Sammy** is a virtual me. A Next JS app built on top of Terminal (see project above). A chatbot that users can access via the browser and ask questions about my career and work experience.
- **Cyber Split** is a project that focuses on helping users find and create weight training splits for the next month. A discover page helps users browse options, and generate more. The user can download splits to PDF if desired.
- **Sweat.sh** is a company I tried to start in 2024 around fitness and building a habit of working out. It ultimately failed.

Education and Certifications

- **B.Sc. Mechanical Engineering,** Oklahoma State University. **2012–2016**

Technologies and Languages

- Languages: Python, TypeScript, JavaScript
- Technologies: Next JS, Node, React, Storybook, Tailwind CSS, FastAPI, Django, Postgres, AWS, Git
- Other: Frontend, backend, data structures