Chase Sobey

Software Engineer

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🪪 Profile

Former Structural Engineer turned Software Engineer with experience in JavaScript, Python, AWS Cloud Architecting, SQL and LLM API ssage. Endlessly curious about emerging technologies and always seeking a new challenging project!

💼 Professional Experience

Co-Creator and Software Engineer   2023 – present │ San Francisco, CA

Embrasure Secrets ⧉

Embrasure (see case study ⧉) is an open source, AWS native secrets management tool tailor made for startups and small development teams seeking a simple, secure secrets manager with audit access log capabilities

- Spearheaded the automation of initializing 10 unique microservices and backend infrastructure components (AWS VPC, API Gateway, Lambdas, IAM Users, etc.) through the creation of 2 streamlined CLI setup commands.
- Led the design of AWS cloud architecture, evaluating trade-offs between server and server-less designs to ensure optimal system performance and scalability for our use case.
- Architected cloud network infrastructure to balance providing high security while maintaining high availability through leveraging a combination of IAM authentication, Subnet and resource privatization, and an internal API server.
- Collaborated seamlessly with a distributed team, exclusively working remotely and embracing an agile workflow to enhance team efficiency and speed up project delivery.
- Built and implemented a RESTful database API powering CLI commands to provide a secure and intuitive secrets / team management UI.
- Served as head author on comprehensive case study (see case study ⧉) providing a detailed analysis of secrets management problem space, Embrasures niche in existing market, system design, and engineering decisions.

Software Engineer   2022 – 2023 │ San Francisco, CA

Self-Employed

Developed open-source applications including:

- *Request Bin Ultra* - Tool for organizing, receiving and debugging webhooks (DO Droplet, Nginx, MongoDB, Node.js, Express, React).
- *ByteBuddy* - Personal Telegram messenger chatbot powered by Openai (Python, Openai API).
- *PocketBook* - Book reading web application with built-in passage searching functionality (ruby, html, css)

Structural EIT   2021 – 2023 │ Redwood City, CA

DES Architects + Engineers

- Spearheaded streamlining the structural departments' design pipeline through design of automation scripts that take site conditions as input values and return optimal member sizing and spacing, automating 70% of calculations.

🧠 Skills

Back End
Node.js, Express, Ruby, Go, Python, PostgreSQL, MongoDB, RESTful APIs

Cloud
Digital Ocean, AWS (EC2, Lambda, DynamoDB, RDS, IAM, API Gateway, Cloud Formation, Cloud Trail)

Front End
JavaScript, React, HTML/CSS

Others
LLM API, Prompt Engineering, Git/Github, Docker, Bash, HTTP, Websockets, OOP, Nginx, Postman,

🎓 Education

University of Texas at Arlington   2015 – 2022 │ Arlington, TX

Masters of Engineering in Structural Engineering
Bachelors of Science in Civil Engineering