


Luke Powers

✉ lukespowers@gmail.com  Luke Powers  lukepow.github.io  lukepow ☎ 4807372137

PROFILE

I'm a full-stack software engineer with multiple years of experience in both the Ruby and JavaScript ecosystems. Over the past 2 years, I've built a solid foundation in web engineering fundamentals that I'm eager to deploy on challenging projects that expand my current skill set and tech stack. Most recently I co-created Snowclone, an open-source BaaS with real-time capabilities.

PROFESSIONAL EXPERIENCE

Software Engineer, Snowclone  2024 – present

Snowclone is an open-source project that streamlines the process of creating and managing cloud infrastructure for database and APIs that support frontend applications and require real-time capabilities.

- Developed a containerized architecture for portable backends that provides APIs for schema migration, REST, and real-time notifications using a PostgreSQL database (Node.js, express, SSE, Docker)
- Designed a cloud deployment architecture that prioritizes scalability and cost-efficiency (ECS Fargate, ELB, RDS)
- Leveraged Terraform to provision the 55 resources needed for each instance and to manage the state of projects deployed to AWS
- Built a CLI for managing the lifecycle of projects in AWS via terraform
- Authored a comprehensive technical case-study detailing the problem domain, system design, and engineering decisions
- Collaborated remotely with a team of four engineers using agile workflow

Software Engineer, Freelance 2022 – 2023

Developed freelance and open-source applications including:

- *Requestbin* - tool for collecting and debugging webhooks (MongoDB, Nginx, React, Express)
- *Climbr* - A tool for posting and viewing rock climbing routes and areas (Ruby, Sinatra, Postgres)

Capital Markets Analyst, CapCenter 2020 – 2022 | Richmond, VA

- **Data-Driven Marketing Insights:** Analyzed direct mail campaign performance by integrating and processing large datasets from multiple sources using SQL and Excel, leading to over 20% cost savings through improved targeting and attribution tracking.
- **Automated Data Analysis:** Utilized SQL for extracting, manipulating, and analyzing large datasets to support business operations and decision-making processes.
- **Enhanced Reporting Capabilities:** Designed and implemented PowerBI dashboards to provide real-time visibility into key performance indicators and operational metrics, enabling senior leadership to make informed decisions.

SKILLS

Languages

JavaScript, Ruby, Golang, Python, SQL

Libraries/Frameworks

Node.js, Express, React, Sinatra

Cloud

AWS, Terraform, Digital Ocean, Heroku


Other

Git/Github, Docker, Jest, HTTP/S, Websockets, SSE, OOP, REST APIs, Visual Studio

EDUCATION

Launch School

2022 – 2023

Multi-year, mastery-based software engineering curriculum. Read more at launchschool.com/employers 

University of Richmond,
BS Business Administration, Finance Concentration

2016 – 2020 | Richmond, VA