

# Luke Powers

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## PROFILE

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I am a motivated software developer with a passion for using my technical expertise to solve complex problems with clean, efficient code. I am skilled in full-stack development, cloud architecture, and database management. Eager to contribute to a dynamic team and tackle challenging projects with an analytical and team-oriented mindset.

## PROFESSIONAL EXPERIENCE

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**Software Engineer, Snowclone (Open Source)**  01/2024 – 05/2024

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 (Contract), Jagerita Holdings, LLC** 05/2024 – present

- Enhance reporting capabilities by automating data pulls and programmatically building near-realtime e-commerce reports (Rust, REST APIs)
- Design and build a scalable AWS architecture for hosting backend code to execute the full lifecycle of report generation and analysis (AWS, Lambda, Eventbridge, S3, Docker)

**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.

**Software Developer, Freelance** 2022 – 2023

- Built and maintained front-end and full-stack applications (HTML, CSS, Node.js, Ruby, Heroku)

## SKILLS

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### Languages

JavaScript, Ruby, 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

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**University of Richmond, BS Business Administration,**  
Finance Concentration, Math Minor

2016 – 2020 | Richmond, VA