

Cameron Guthrie

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SKILLS

Languages:

Python, Typescript/Javascript, Java, Scala, C#, Elixir, SQL, CSS/LESS, Rust

Tools:

Node, React, Postgres, AWS, Docker, git, Flask, SQLAlchemy, Phoenix, Unity, Jest/Enzyme, CircleCI, Electron

EXPERIENCE

Software Engineer / Tech Lead — *Optic Power*

July 2022 – Oct. 2023

As the tech lead, I planned and built new application features with a multidisciplinary team of 8 while coordinating with external client teams to design the REST APIs we consumed.

Selected Projects:

- Re-architected an existing Node API to Elixir. Added event logging, improved Docker performance, and improved the S3 document processing pipeline speed by 200%.
- Electron Windows app that pulls data from external APIs and live game clients via IPC using native libraries in Rust processing hundreds of events per second. It also adds interactive overlays to 4 games and has a reusable component system using React.

Solutions Architect — *Optic Power*

June 2021 – July 2022

I met with prospective clients daily to distill their ideas into concrete technical designs, timelines, and resourcing requirements while working with our engineering and sales departments. I architected and scoped ETL pipelines for professional esports teams, Windows apps with native libraries, and dozens of other projects while learning new domains on the fly.

Software Engineer — *Thomas Street*

Sep. 2016 – Apr. 2018

Along with a small team of engineers and designers, I planned and built apps and systems for clients. I learned new languages on the job as needed and met with clients regularly to define technical requirements and review completed work.

Selected Projects:

- Java Spring app for curating oncology data using an event driven architecture that could roll back manual changes and import huge existing data sets
- Scala / React app for searching, filtering, and viewing hundreds of network configurations. Built over 2 months
- Asymmetrically multiplayer VR, AR, and 2D party game built in Unity using C#
- React / Redux / Python app for porting telephone numbers with client & admin views that would speed up the manual porting process by 10x

EDUCATION

Georgia Institute of Technology
Bachelor of Science in Computer Science

Aug. 2010 – May 2014