Clay McGinnis

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Experience:

Amazon - Alexa Communications — Seattle, WA
Software Development Engineer I — May. 2021 — Nov. 2022

- Facilitated 300,000+ customer calls by building services to enable Roadside Assistance through Alexa in Java
- Reduced bi-weekly manual deployment time by 5 hours by converting 3 services to CI/CD involving the creation of integration tests, monitoring, and infrastructure built in AWS
- Enabled 16,000+ new customer setups for Roadside Assistance and Emergency Calling with Alexa by building mobile app screens in the Alexa App using React Native with TypeScript

Amazon - Alexa Communications — Seattle, WA
Software Development Engineer Intern — May. 2020 — Aug. 2020

- Enabled the resolution of 30+ customer tickets by modernizing our Java service metrics publishing library used for 600,000+ customer calls per month
- Identified 20+ previously undiscovered customer issues by creating dashboards and alarms

CEADS-LIN: Cybersecurity and Evolutionary Computing Research — Rolla, MO
Research Assistant with Dr. Daniel Tauritz — Feb. 2018 — Aug. 2019

- Created visualization tools in React.js to monitor containerized network traffic and analyze evolutionary experiments in real time

Edward Jones Investments — St. Louis, MO
Software Engineering Intern — May. 2019 — Aug. 2019

- Fixed issues in 700,000+ customer calls per day by fixing MVC front-end bugs using JavaScript and Java
- Allowed for 3,000+ employees to move to a secure web browser by fixing website incompatibility problems for 4 core websites in JavaScript

Stratos — Jan. 2021 - Present
Personal Project - On-demand dedicated game servers as a service. No configuration required, controlled using a first party desktop app

- Stratos was created to solve friction when gamers host dedicated servers. The Stratos desktop app and hosting service streamlines the experience in simplicity, pricing, and performance
- Designed the desktop app and website in Figma and built the website using Remix.js and React.js
- Designed and constructed the user facing API for payments, authentication, and managing servers and accounts using Golang, GraphQL (gqlgen), Auth0, and Stripe
- Designed back end infrastructure using Nomad, S3, and DigitalOcean Droplets to host internal services as well as customer game servers
- Built a service for automatic network population of DNS records in Cloudflare from Consul service entries with Golang

Education:

Missouri University of Science and Technology (Missouri S&T) — **December 2020**
B.S. Computer Science — 3.5 Cumulative GPA

Honors and Activities:

- ACM Vice President Internal — Apr. 2018 - Apr. 2019
  Managed 7 organizations in funding, time-lines, and planning for events hosting 120+ attendees
- Megaminer AI — Dec. 2017
  2nd place among 30+ other teams — Programmed an AI to play a game in Python

Missouri S&T — Multirotor Robot Design Team — Rolla, MO
Chief Software Engineer — Feb. 2019 — May 2020

- Managed a team of 30+ software developers in creating real-time autonomous software for an octo-copter in C++ and Python resulting in acceptance to the International Aerial Robotics Competition

Missouri S&T — ACM — Rolla, MO
ACM Web Chair — Jan. 2020 — Dec. 2020

- Managed and taught 14 students in building full-stack websites with React.js and mobile apps in React Native.
- Increased student event attendance up to 4x by building a full-stack website (link: mstacm.org) for ACM in TypeScript and React.js

Technical Skills:

Languages:	Golang	TypeScript	React.js	Python	C++	Bash
Skills:	Git	AWS	CI/CD	Unix	Unit/Integ Testing	