

Alan Chen

Software Engineer

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OBJECTIVE

I aim to contribute to the success of projects by leveraging my strong programming skills and analytical mindset with my goal to make a positive impact in the field of software engineering by solving real-world problems.

PROFESSIONAL EXPERIENCE

Coeus Studio – Boston, MA

Engineer/Founder, April 2023 – Present

- For traders that want to build complex alert systems, we provide an easy-to-use, no-code platform for your ideas. It is a one-stop-shop platform for building, testing, and deploying financial alert systems.
- Conducted market and technological trends research, accelerator/incubator application process, development timeline and forecast, and pitching to potential investors
- Site: <https://www.coeus.studio/> and pitch deck available upon request
- **React, Flask - Python, Postgres, Nginx, Systemd, AWS**

TigerGraph – Remote

Software Engineer – Cloud Infrastructure, March 2022 – March 2023

- Transformed frontend hosting infrastructure by migrating from AWS EC2 to S3, leveraging the scalability and caching capabilities of Cloudfront. Achieved improved performance, reduced server costs, and ensured seamless scalability to accommodate growing user demands.
- Implemented effective disk segmentation techniques to enhance EC2 storage management. By segmenting storage based on data types, such as logs, operating system, and user data, we achieved improved organization, enhanced performance, and optimized resource utilization.
- **AWS, GCP, Azure, EFS Storage, Terraform, Hashicorp, Github Action, Packer AMI, Graph Database, gRPC**

Optum – Boston, MA

Software Engineer – Full Stack, June 2019 – March 2022

- Revamped the user interface of the sales team healthcare entry platform, enhancing user experience and simplifying request handling. Introduced intuitive navigation and personalized features, resulting in improved user satisfaction and efficient interaction with the platform.
- Successfully integrated and utilized the Airship SDK within the iOS app to streamline push notification management. Leveraged advanced features, including audience segmentation, automation, and A/B testing, to optimize notification delivery and enhance user engagement.
- Utilized graph database technology to model and query call center data, enabling a comprehensive understanding of intricate relationships and dependencies. Leveraged graph algorithms and queries to uncover hidden insights and present a holistic view of call centers operations.
- Conducted technical interviews with a focus on evaluating candidates' problem-solving skills and technical proficiency.
- **React, Cypress, SpringBoot - Java, SQL, Jenkins, Docker, Kubernetes, User Auth - KeyCloak, Swift, TigerGraph**

Education – University of Massachusetts Amherst, Bachelors – Computer Engineering, Graduation: May 2021

Additional Skills – Assembly, Verilog, FPGA, SPI, UART, Circuits, Synopsys, VLSI, Embedded, Computer Architecture