Derzan Chiang

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TECHNICAL SKILLS

Programming Languages: Python, Javascript, Typescript
Web Development: HTML/CSS, React, Express, Node.js
Databases: Snowflake, PostgreSQL, MySQL, MongoDB
Tools: Git, Github, Postman, Webpack, Babel, Jest, AWS, Azure

EXPERIENCE

AT&T (Contracted by Tech Mahindra)   Nov 2022 - Present
Software Engineer
- Collaborated with team members to migrate large amounts of data from legacy systems to Snowflake DB hosted on Azure.
- Monitored a data loading system that processes an average of 80,000 files per day, totaling 30+ GB of information per day, using both Power BI and Grafana.
- Leveraged advanced features of Grafana to develop real-time dashboards and visualizations that provided insights into system performance and potential bottlenecks.
- Utilized Power BI and Grafana to develop custom dashboards and visualizations that provided real-time insights into system performance, data quality, and migration progress.

Galvanize Inc   Sep 2022 - Nov 2022
Software Engineering Immersive Resident
- Mentored software engineering students to enhance their programming comprehension and skills.
- Conducted regular office hours to provide students with guidance and accountability in their coursework.
- Analyzed and debugged code in unfamiliar environments, demonstrating an aptitude for problem-solving and troubleshooting.

Edmonds College   Aug 2021 - July 2022
Part-Time STEM Peer Mentor
- Conducted weekly computer science meetings for students, providing expert guidance and mentorship to those interested in the field.
- Mentored students to help them succeed in college, offering personalized advice and support to help them navigate academic challenges and achieve their goals.
- Instructed students in programming fundamentals, reinforcing key concepts and techniques to help them build a strong foundation in the subject.

Projects

Lichess Puzzle Discord Bot | Github Link | Typescript, discord.js, sentry.io
- Developed and deployed a TypeScript Discord bot that delivers daily chess puzzles to 1000+ users in 15 channels
- Built custom scheduling functionality for personalized delivery of puzzles
- Implemented real-time error logging and monitoring with Sentry.io for improved reliability
- Configured Dockerfile for seamless deployment to cloud service Fly.io
- Ensured bot's uptime and stability through regular monitoring and troubleshooting

Q&A | Github Link | NodeJS, Express, MySql, NGINX
- Automated the ETL process for migrating CSV data into MySQL by creating a custom SQL script
- Optimized the backend service to handle high traffic loads of over 2,400 requests per second, while maintaining fast response times of less than 2,000 milliseconds and a 0% error rate.
- Implemented an NGINX load balancer connected to 3 EC2 instances, enabling horizontal scaling of the backend service

EDUCATION

Hack Reactor | Advanced Software Engineering Immersive, US Remote   2022
- Software engineering immersive program with over 1000+ hours of coding. Full-Stack development with JavaScript, React, Express, PostgreSQL, MongoDB, and MySQL in an AGILE environment.