Andrew Anthony Gerst

Senior Software Engineer

704-740-8492
gerst20051@gmail.com
https://github.com/Gerst20051
https://www.linkedin.com/in/andrewgerst

- **I am looking for something exceptional!**
- **I was Passport's 12th employee! Now 300+ and acquired 3 companies!**
- **I would love to learn about your team's culture and challenges!**
- **Feel free to reach out if you have any questions!**
- **Let's discuss what you are looking for to see if I would be an excellent fit!**

Skills

Main: dynamodb, javascript, jest, lambda, mysql, node, php, react, python, swift

Experience

Senior Software Engineer – Passport | Mobility Software Platform   *December 2013 - April 2020*

- Developed the legacy monolith system using python, php, and mysql
- Developed the legacy mobile apps using titanium and java
- Developed the legacy web apps using jquery and gwt/java
- Developed the legacy strings system to handle internationalization
- Rewrote the ios parking app in native swift
- Created the ios transit app in native swift
- Maintained the ios swift apps through multiple swift versions
- Created the legacy local dev environment makefile
- Created the vagrant dev environment using ansible which helped automate the configuration for production
- Created the whitelabel apps on android, titanium, swift, and web platforms
- Documented all of the systems and processes to make onboarding more efficient
- Created internal tools and scripts to make all developers more efficient
- Created an ansible playbook to make setting up and maintaining macbooks more efficient
- Maintained the legacy python rate engine
- Created the modern rate engine on aws lambda using node and dynamodb
- Mentored peers and junior engineers that has helped them develop and advance their careers
- Evaluated candidate programming challenge submissions
- Interviewed candidates for roles of all levels including the vp of engineering
- Created database migrations repo, process, and scripts
- Automated the build and archive process for ios app store releases
- Analyzed data and created visualizations for various metrics
- Transformed and imported the zone, rate, and restriction data for multiple operators
- Created the swagger api schema repo
- Created various shared npm packages to use in multiple microservices
- Created microservices from scratch to migrate the monolith into a scalable architecture
- Created the fleet admin portal in react
- Load and stress tested the apis to measure performance metrics
- Created various comparison scripts to ensure backwards compatibility when updating services
- Created the api integration testing scripts that are used to verify things are working after deployments
- Various other things...

Computer Programmer – UNC Chapel Hill Computer Science Department   *November 2011 - June 2012*

Accessible YouTube is an interface to YouTube designed for people who access their computers via either 2 switches for children with disabilities or a mouse.

Education

Bachelor of Science (B.S.) Computer Science – University of North Carolina at Chapel Hill   *2011 - 2013*

Won second place in a programming competition hosted by the founders of Passport Parking. I was a first year undergraduate student competing against mostly graduate students. My team and I placed third out of eight teams in Facebook's 2012 North Carolina Hackathon hosted at Duke University.

Projects

Log Reader – https://github.com/Gerst20051/log-reader

Tool for streaming server logs to the browser for filtering, highlighting, excluding, color-coding, and adding syntax highlighting to json objects and mysql queries.