

Andrew Anthony Gerst

Senior Software Engineer (Full-Stack)

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- I promise to whoever saves me from being homeless that you won't regret giving me a chance!
- I was Passport's 12th employee (5th engineer) and we grew to 300+ and acquired 3 companies!
- I was the 5th member of Checkr's International team and helped our team scale to 30 strong!

Skills

Main: Ruby, Node, JavaScript, TypeScript, React, Python, PHP, Go, MySQL, Postgres, Mongo, Redis, AWS, Swift

Experience

Senior Software Engineer – [Checkr](#) | Background Check Platform

February 2021 - April 2024

Major Product Enhancements

- Created a Ruby on Rails platform that dramatically reduced the complexity of building new screenings
- Led the implementation of Amplitude analytics that significantly improved our product insights
- Led the creation of multiple new screenings that expanded our product capabilities
- Reduced developer frustration and technical debt by unifying multiple divergent products
- Improved candidate experience by removing the need to print and fill out PDF documents
- Improved screening TAT by creating jobs that monitored and resolved stuck workflows
- Created Datadog monitors and Snowflake dashboards to improve observability
- Mentored our summer interns and helped lead their project to completion

Improved Developer Productivity (Above & Beyond My Role Responsibilities)

- Reduced the time 50+ engineers spent onboarding from weeks down to hours
- Created scripts to set up and run multiple services in local dev environment
- Ensured a smooth transition from Intel to ARM based MacBook architecture
- Created scripts automating workflows that required manual interactions
- Created scripts to ease the administration of our Kubernetes clusters
- Created Ruby Thor scripts that automated various on-call support tasks

Senior Software Engineer – [Brainbase](#) | Intellectual Property Platform

May 2020 - September 2020

Created a docker environment for local development and fixed various frontend and backend bugs

Senior Software Engineer – [Passport](#) | Mobility Software Platform

December 2013 - April 2020

Modernized & Scaled Architecture

- Led the creation of a platform enabling integrations with our public API
- Migrated our legacy PHP monolith to microservices using AWS Lambda and Node/TypeScript
- Migrated our web apps to React and our iOS apps to Swift
- Migrated our databases from MySQL to DynamoDB

Promoted A High-Performance Culture

- Interviewed candidates for roles up to VP of Engineering
- Streamlined our onboarding process via documentation and automation
- Mentored peers and was a highly available, trusted source for advice
- Created many tools enabling new ways for engineers to work more efficiently

Core Business Expertise

- Lead maintainer of our Python rate engine, a critical component for facilitating payments
- Built custom mobile and web apps for 20+ of our high-volume clients in a scalable way
- Implemented third-party integrations to satisfy RFP requirements to win new clients
- Added i18n support in our apps so that we could expand to markets internationally
- Built integrations with our in-house PCI-compliant payment gateway service

Computer Programmer – [UNC Chapel Hill Computer Science Department](#)

November 2011 - June 2012

I built a YouTube app for people with disabilities who access their computers via 2 switches.

Education

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

2011 - 2013

I placed in multiple programming competitions and hackathons both individually and with teammates.

Projects

My Games – <http://games.hnswave.co>

I enjoy building browser-based games in my free time using a game engine I wrote from scratch.