# Andrew Anthony Gerst

**Senior Full-Stack Software Engineer**

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- **I am looking for an opportunity where I can make a big impact while continuing to grow my career!**
- **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, mysql, postgres, node, react, python, go

## Experience

**Senior Software Engineer** – Checkr | Background Check Platform                     *February 2021 - April 2024*

### Improved Developer Productivity

- Reduced the time 50+ engineers spent onboarding from weeks down to hours
- Created scripts to setup 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 thor scripts that automated various oncall support tasks

### Major Product Improvements

- Implemented amplitude analytics to significally improve product insights
- Implemented multiple new screenings to expand our product offerings
- Reduced developer frustration and product complexity by unifying two products into one
- Improved candidate experience by removing the need to print and fill out pdf documents
- Improved screening TAT by creating a job that monitored and resolved stuck workflows
- Created datadog monitors and snowflake dashboards to improve observability
- Mentored and lead the project for a team of our summer interns

**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 Architecture

- Migrated our legacy monolith system to AWS microservices
- Migrated our database from MySQL to DynamoDB
- Migrated our web apps to React
- Migrated our iOS apps to Swift
- Created a public platform for our API

### 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.