

# Henry Grant

## Principal Software Engineer

22-65 37th St, Astoria, NY, US, 11105 / 864-313-8603 / hgrant94@gmail.com



### Professional summary

Experienced full-stack engineer specializing in application and DevOps engineering with a strong focus on mobile and web development. Proven ability to lead teams, streamline development pipelines, build scalable solutions, and enhance user experiences. Adept at mentoring engineers and driving measurable improvements in product performance and team efficiency.

### Links

[LinkedIn](#)

[Github](#)

### Employment history

AUG 2021 – PRESENT

CHARLOTTE, NC/NEW YORK CITY, NY

#### Principal Software Engineer, Ally Financial

- Served as Principal Engineer of the Mobile Platform and lead strategic initiatives.
- Maintained the mobile repository and implemented a monorepo architecture supporting 15+ teams with automated pipelines and access controls.
- Mentored junior engineers in Android/iOS development, React, TypeScript, Bash, and Go.
- Spearheaded the integration of React Native into the existing native mobile apps, providing leadership for a complete core systems rewrite and feature migration.
- Designed and deployed advanced GitLab pipelines for app deployment via TestFlight, including git tagging and automated release systems using Bash/Go.
- Developed backend services (e.g., secrets management and asset serving), leveraging AWS S3, Lambda, and API Gateway, paired with GitLab CI pipelines and Terraform for automated deployments.
- Improved feature development velocity by 40%.
- Boosted both iOS and Android App Store ratings from <3.0 to over 4.0.

AUG 2020 – AUG 2021

CHARLOTTE, NC

#### Senior Software Engineer, Specbooks

- Led a team of engineers to develop the Marketplace Platform, a customer-facing white-label e-commerce application tailored for home renovation products.
- Built performant applications with NuxtJS and Vue.js, integrating with a pre-existing Laravel backend system.
- Successfully launched 30 custom e-commerce sites for clients during tenure.

AUG 2017 – AUG 2020

CHARLESTON, SC

#### Software Engineer II, Conrex (Now Brookfield)

- Designed, developed, and maintained a proprietary property acquisition and management application utilized to acquire and manage 20,000+ single-family homes.
- Developed APIs with Python Flask to support the frontend and internal operations teams.
- Enhanced the AngularJS frontend application to streamline workflows for analysts and property managers.
- Managed the MySQL database, introducing new features with optimized queries and schema design to improve analyses by internal teams.

# Education

2017

Bachelor of Science – Computer Science, College of Charleston

## Skills

TypeScript	JavaScript
Go	Python
Kotlin	Bash
SQL	NodeJS
React Native	Expo
NuxtJS	Vue.js
AngularJS	Flask
Android	iOS
Swift	AWS
GCP	Terraform
GitLab	OpenAI
Supabase	Vercel

## Hobbies

- Hosting servers in my home for various programming side projects (and Factorio). Provides a way to learn more about Docker and Debian system administration.
- Learning Korean and writing AI applications that that assist in that endeavor. My most recent project reads my Anki flashcard wordlist and generates sentences and audio using OpenAI and ElevenLabs that I can use in my studies.
- Cycling and hiking around New York City and the Northeast.