

Hank McLaughlin

Freelance Software Engineer

706 Fagley St, Baltimore, Maryland, 21224

<https://hank.io> hank@launchcode.software [443-465-0193](tel:443-465-0193)

[in](#) [hankmc](#)

Freelance Software Engineer with 17 years of experience from Baltimore MD

WORK EXPERIENCE (9)

Freelancer/Contractor/Owner at Launchcode Software, LLC **November 2024- Current**

<https://hank.io>

I have been a full time freelance software engineer since Nov 2024. Working primarily with startups to get their products off the ground. I've worked with a variety of technologies and platforms

- Recent Projects involve:
- Node JS / Typescript backend servers for mobile apps
- Embedded Linux
- Native Android development (JAVA and primarily Kotlin)
- Native iOS development (Swift / Swift UI)
- Integrating AI LLMs into existing systems, as well as building a RAG based document searching system
- Interactive mall kiosk software development

Staff Engineer at Greenlight **February 2022- November 2024**

<https://greenlight.com>

At Greenlight I lead a team of (at times) 5 engineers to build the Android credit offering. From there I moved to the partner enablement team. Our responsibilities were to architect and build an SDK for partner banks.

- Promoted 6 months into employment from Senior to Staff engineer
- Technical lead for credit
- Technical lead for partners

Senior Principal Mobile Engineer at Mindgrub Technologies LLC **March 2020- February 2022**

<https://mindgrub.com>

Developing software for iOS and Android, as well as functioning as a technical lead, making architecture decisions at the early stages of projects, and reviewing code and providing support as projects continue.

- Architect, build, and ship applications for clients like Exelon, MD Lottery, Idaho Power, and many more.
- Meet with clients to understand product vision and consult on new technology and how to leverage it for success.
- Provide support for devs working on my project, helping with blockers, or reviewing code
- Mentoring junior devs on best practices, and new technology

Senior Application Engineer at Leafly Holdings LLC **May 2018- March 2020**

<http://leafly.com>

Architect, build, and maintain the Leafly Android and iOS apps. Adding new features and capabilities to peoples shopping experience. As well as mentoring junior engineers

- Totally re-architect the android app and rewrite the app in flight over the course of a year (project Theseus)
- Design, build, and code a system that allows for easy re-ordering of product from dispensaries
- Build a system that acts as a kiosk for customers within dispensaries
- Architected a system that indexes strains locally on devices so that those results can appear in native global search systems (plus Siri and google assistant)

Senior Software Engineer at Stanley Black & Decker **February 2017- May 2018**

<http://www.stanleyblackanddecker.com/>

Invent and prototype potential future hardware and software products. As well as present them to upper management

- Design, build, and code a system that bridges Zigbee and Zwave IOT networks
- Build a system that pilots heavy machinery based off of openCV video input
- Design build and ship a system that locates tools indoors, and on job sites
- Various ARKit/Hololens augmented reality demonstrations

Director of Mobile Engineering at Mindgrub Technologies LLC **October 2016- February 2017**

<https://mindgrub.com>

Manage a team of 7 engineers and 3 interns, as well as architect and implement native mobile and web applications using the latest technology and methodologies

- Architect, build, and ship applications for clients like MD Lottery, Under Armour, Wendy's, and many more.
- Meet with clients to understand product vision and consult on new technology and how to leverage it for success.
- Successfully transitioned the team from a waterfall structure to agile processes with constant feedback and improvement
- Promoted the creation of automation software internally, to create a more efficient, less stressful work environment

Senior Software Engineer at Mindgrub Technologies LLC **May 2014- October 2016**

<https://mindgrub.com>

Software Engineer at Mindgrub Technologies LLC **March 2013- May 2014**

<https://mindgrub.com>

Mobile Engineer at Accella LLC **June 2010- March 2013**

<https://accella.net>

Instructor at Code.org

February 2013 - Current

<https://code.org/>

Spend a day in a local classroom every year teaching middle and highschool students to code using Scratch, and robotics from Sphero

Instructor/Speaker at Towson University

January 2015 - Current

<https://www.towson.edu/>

Provide career advice and mentorship to Towson University students at a few events every year, ranging from coding tutorials to career workshops