

Hi, I'm Mark Castle, a software engineer in Kansas City.



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About Me

Mark leads Piarcings software, firmware, and application development teams. He's a bit of a savant, having accomplished more in his short time on the planet than most engineers twice his age. Mark's insatiable curiosity and impressive development chops are helping to push the boundaries of what can be accomplished to exploit the world's smallest computing form-factors, developing sleek and full-featured human interfaces to the connected world.

– Piarcings CEO

Experience

Ear μ Bionics: iOS Developer (January 2018 - Present)

Piarcings: Senior Software Engineer (July 2016 - Present)

TechBytes: Full Stack Developer (January 2014 - July 2016)

Highlights

- First exposed to coding at the age of ten, and had my first cross-platform mobile application published at fifteen. Been dreaming in code for 10+ years.
- Deeply experienced with full-stack Javascript development. Currently maintain two Express.js backends, and three mobile apps built with Ionic, NativeScript, and Swift.
- Presented *Mobile Development in Javascript* at the 2015 Code for LA conference.
- Migrated a poorly maintained Objective-C iOS codebase to Swift 3. Delivered ahead of schedule – and complete with supporting documentation, version control, and a rock-solid test suite.
- Presented research and proof-of-concept to convince team to move from legacy Java backend to Express; saved company an estimated 10k annually on development, maintenance, and server costs in first year.
- Pursuing patent for novel vehicle telematics safety system, and published an open source, low-cost aftermarket blind spot monitor and gaze tracker for older vehicles.

Availability

I currently work as a senior software engineer for Piarcings, and take up small full-stack development work on the side. If you think I'd be a good fit for your project or company, please get in touch. I'm always open to new, competitive growth opportunities!

Community Involvement

- Active member of the Code for KC meetup group.
- Open source contributor on GitHub.
- Presenter at the Santa Monica New Tech developer conference.
- Volunteer instructor and mentor for the Learn Code LA program.

Recent Projects

Ride Tracker is a cross-platform mobile app that helps motorcyclists plan and conduct safe, organized group rides.

Forcefield is a smarter alternative to the traditional emergency poles found on most college campuses.

Rider Down is a network of safety conscious motorcyclists working to help identify fallen bikers.

Technical Expertise

Backend: Express, Firebase, Node.js, SQL

Creative: Marvel, Pixelmator, Sketch

Deployment & Development Tools: AWS, Github, Heroku, Travis CI

Frontend: Angular, CSS, Ember, HTML, Javascript, jQuery, Typescript

Mobile: Ionic, NativeScript, Objective-C, Swift, Xcode