

# ANDREW WATT

*Experienced iOS Developer*

[andrewwatt@gmail.com](mailto:andrewwatt@gmail.com)

402-517-5477

<https://watt.coffee>

| <u>Skill</u>    | <u>Experience</u> | <u>Expertise</u> |
|-----------------|-------------------|------------------|
| Swift           | 8 Years           | Advanced         |
| Objective-C     | 9 Years           | Intermediate     |
| Ruby            | 11 Years          | Advanced         |
| CocoaPods       | 9 Years           | Advanced         |
| JavaScript      | 9 Years           | Advanced         |
| Node.js         | 6 Years           | Advanced         |
| Java            | 7 Years           | Advanced         |
| C/C++           | 3 Years           | Intermediate     |
| Docker          | 1 Year            | Beginner         |
| NGINX           | 1 Year            | Beginner         |
| MongoDB         | 2 Years           | Intermediate     |
| SQL             | 7 Years           | Intermediate     |
| Oracle          | 2 Years           | Beginner         |
| SQLite          | 5 Years           | Advanced         |
| Microsoft Azure | 2 Years           | Advanced         |
| AWS             | 2 Years           | Beginner         |
| Subversion      | 6 Years           | Advanced         |
| Git             | 9 Years           | Advanced         |

## Professional Experience

Square, San Francisco, CA

February 2019 – Present

*Senior iOS Engineer, Mobile Foundations and UI Systems*

- Established and documented foundational patterns for mobile development at scale.
- Worked closely with designers, web engineers, and Android engineers to design and implement a new cross-platform design system across Square.
- Developed frameworks and patterns for state management, unidirectional data flow, modal view presentation, and environmental trait propagation in modern iOS.
- Became the primary maintainer of Square's open source declarative UI framework, Blueprint.
- Supported product engineers through a variety of channels, including Slack, documentation, example code, video presentations, pair programming, and scheduled office hours.

D3 Banking, Omaha, NE

June 2018 – October 2018

*Senior Software Engineering Consultant*

- Worked on a small team developing a white-labeled iOS app for mobile banking.
- Provided senior-level guidance on software design patterns in Swift and Cocoa.
- Worked closely with designers and product owners to determine and document requirements that maximized product quality while ensuring deadlines could be met.

From Now On, Omaha, NE

October 2015 – January 2018

*Senior Mobile Developer*

- Led a team developing a white-labeled app for high school and college athletic programs, bowl games, and other events.
- Focused primarily on iOS, but assisted on all parts of the technology stack, including Node.js backend API services, client-facing web CMS, and Android app.
- Developed custom automation tools to support rapid deployment of a single codebase to multiple apps in the App Store.
- Worked with business stakeholders to design features, and plan and prioritize with agile processes.
- Delegated tasks and informally mentored junior developers.
- Managed cloud infrastructure to scale to meet performance requirements while minimizing costs.

Hudl, Omaha, NE

November 2014 – August 2015

*iOS Developer*

- Was part of a small, feature-focused team devoted to sports highlights.
- Developed an iOS video editing feature that would allow coaches and athletes to assemble their highlight clips a professional-looking video reel, including special effects, a music soundtrack, and custom text & image slides between clips.
- Also helped develop the backend API that the iOS and web front-ends used to provide these features.
- Worked with team's project manager, designer, QA engineer, and other developers to manage tasks, goals, and priorities.
- Regularly participated in code reviews and high-level architectural discussions for team's codebase as well as that of other developers working on the Hudl iOS app and backend APIs.

TD Ameritrade, Omaha, NE

2010 – August 2014

*Senior Developer*

- Worked on the company's backend systems, on applications that process millions of financial transactions every day.
- Played large role in the design and development of a new order management system, responsible for validating customer orders, routing them to the market, and then recording the details of the orders' execution or failure.
- Application was written on a distributed platform that can be scaled horizontally to accommodate future growth easily.
- In addition to programming, roles included designing and documenting features, communicating with analysts and business users to ensure requirements are covered, and delegating tasks to junior developers when appropriate.

eChef LLC, Lincoln, NE

2006 – 2010

*Lead Developer*

- Was responsible for almost all aspects of development for this startup's flagship product: a recipe management app for Windows.
- Roles included programming, testing, packaging for distribution, and assisting in customer support troubleshooting.
- Designed and wrote a website that integrated with the application using a RESTful API, and allowed users to publish recipes from their library.

GIS Workshop, Lincoln, NE

2003 – 2006

*Developer*

- Developed a variety of applications for clients and internal use.
- Most projects involved algorithm design and optimization problems to solve the technical challenges of complex GIS systems

Education

University of Nebraska–Lincoln

Bachelor of Science

*Computer Science*