

# Sebastian Kolosa

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## SKILLS

- **Languages:** Swift, Objective-C, JavaScript, Bash, HTML, CSS, Python
- **Frameworks:** iOS, Alamofire, SwiftyJSON, Core Data, Angular 1, Node.js, Express, XMPPFramework, Socket.io
- **Tools:** Git, CocoaPods, Npm, Postman, Pivotal Tracker, Trello
- **Concepts:** MVC, Dependency Injection, Protocol-Oriented Programming, User-Centered Design, REST

## EXPERIENCE

### **Agile Software Engineer** | TribalScale

Toronto, Ontario (May 2017 - Aug. 2017)

- Architected 6 features and 15 bug fixes for major cruise line's Objective-C iOS app with 20k+ daily active users
- Directed daily client-team communications and 7 feature demonstrations for cruise app
- Employed dependency injection (Blindside) and promises (KSDeferred) to build out 13 user stories for new cruise event organizer system
- Utilized Core Data and XMPPFramework to develop message failure flow for cruise chat system that allows users to resend or delete failed XMPP messages

### **Mobile Developer** | TD Innovation Labs

Waterloo, Ontario (Sept. 2016 - Dec. 2016)

- Built the MVP of a confidential Swift iOS app in team of 5, writing 29% of the source code (4481/15452 lines)
- Architected savings breakdown feature that utilizes Node.js / Express API to display dynamic bar graph view of savings per child in savings Objective-C app
- Integrated Touch ID authentication into savings app's account management and social media sharing flow, creating safer app experience for 5k+ daily active users
- Conducted 3 app demonstrations with technical and business explanations to TD executives and TD CTO

### **Mobile Application Developer** | Pixelbot

Toronto, Ontario (Apr. 2016)

- Implemented 4 integral features for "Uber for condos" iOS app using Swift, PHP, and MySQL
- Developed entire login flow that incorporates native login as well as Facebook and Google login automation
- Created data merging feature that connects native, Facebook, and Google accounts via SQL table joins

### **Full-Stack Engineer** | Ark Paradigm

Waterloo, Ontario (Jan. 2016 - Mar. 2016)

- Constructed company's website in 1.5 weeks using Angular 1, Python, and HTML / CSS
- Minimized website development time by extracting away common site fragments using Angular directives
- Gathered company investment metadata from Crunchbase using Python scripts and the Crunchbase API

## PROJECTS

### **Everest** | Sept. 2016 - Present

everestapp.ca

- Directed Scrum processes for team of 4 developing event communication management Swift iOS app
- Implemented event chat and newsfeed systems using sockets and protocol extensions
- Utilized Scrum and product design tools to ensure efficient development for remote team

## EDUCATION

### **Systems Design Engineering** | University of Waterloo

Digital Computation / Systems, Data Structures & Algorithms, Human Factors in Design (Sept. 2015 - Apr. 2020)