CONNOR BARKER

4th Year Computer Engineering

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Skills

Languages

JavaScript (*5 years*) • Python (*5 years*) • Swift (*2 years*) • Objective-C (*2 years*) • C (*3 years*) • C++ (*4 years*) • C# (*1 year*)
SQL (*4 years*) • Java (*5 years*) • Kotlin (*2 years*) • CSS (*5 years*) • HTML (*5 years*)

Tools & Technologies

Xcode (*2 years*) • Eclipse (*5 years*) • React (*4 years*) • Angular (*1 year*) • Core ML (*1 year*) • Node (*4 years*)
AWS (*3 years*) • Visual Studio (*2 years*) • Keras (*1 year*) • MySQL (*2 years*) • GraphQL (*1 year*) • Docker (*2 years*)

Experience

Fullstack Developer • Konrad Group

September 2020 - December 2020

· Lead developer for redesign of internal timesheet tracking application, successfully reduced loading times by ~800%
· Updated timesheet application backend to use GraphQL, which reduced return time of large requests by over 400%
· Refactored MySQL database using new indexes and foreign constraints, which reduced average query time by ~150%
· Created event planning Slack bot with JavaScript, using Node microservices to integrate with existing backend

Mobile Developer • Zynga

January 2020 - April 2020

· Developed and maintained features for the iOS & Android Boggle applications in Swift, Objective-C, and Kotlin
· Independently updated several key legacy systems from Objective-C to Swift 5, which decreased load times by ~40%
· Designed and implemented UICollectionView customization framework to improve component reusability
· Converted Boggle power-up selection screen from static page to dynamic stack view, simplifying the addition of new power-ups in future updates

Web Developer • Konrad Group

September 2018 - December 2018

· Developer on client project for major Canadian bank, working in React 16 to create their onboarding website
· Created features for bank project including PDF viewer, custom input fields and radios, and dynamic progress bars
· Worked with the client team to integrate bank's backend, in order to implement secure services such as auto-filling
· Automated end-to-end and integration testing during builds using Puppeteer, headless Chromium, and Enzyme

Projects

Personal Portfolio Website

· Designed and developed personal portfolio with React 17, hosted with AWS S3 and distributed with CloudFlare
· Implemented dynamic layout system to easily add new projects and work experiences by updating JSON file
· Utilized AWS API Gateway and SES to create a contact form which forwards messages from a noreply address

Education

University of Waterloo

Candidate for Bachelor Of Applied Science, Honours Computer Engineering
Waterloo, ON • Expected June 2022