Ryan Clayton

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Summary

Recently completed a Master's Degree in Software Development from the University of Utah with a focus on computer science fundamentals. Acquired some experience in web development through contract and freelance work. Highly motivated and passionate about learning new skills and solving complex problems.

Skills

Programming Languages: Java, C++, PHP, JavaScript, Python, and Dart (Flutter)

Software: JetBrain Products (IntelliJ, CLion, PyCharm), Xcode, VS Code, WordPress, Android Studio, Git, and AWS

Education

University of Utah | Salt Lake City, Utah
Master of Software Development | 12/2022
Completed courses in computer systems, networking & security, data structures & algorithms, computer science, and app development. Notable Projects:

- A Java HTTP server to host a multi-platform online chat server. Also developed a web browser and Android app which enables users to connect to the server.
- A simple DNS resolver that takes in a DNS request, then the resolver decodes, finds an answer, re-encodes, and responds with an answered response.
- **Capstone Project:** A Flutter multi-platform messaging and course enrollment application. This application utilizes AWS Amplify for cloud synchronization and Apple TestFlight for testing and App Store approval.

Graduate Certificates: Software Development Programming and Software Development Systems and Data

University of Utah | Salt Lake City, Utah
B.S. Architectural Studies | 06/2018

Experience

University of Utah - School of Computing | Utah, Salt Lake City
Web Developer | 05/2022 - 01/2023
Headed the redesign of The School of Computing's new website. Executed and modernized a complete refresh of the site UI, creating a more engaging and discernible experience for prospective students. Deployed webmaster and analytic tools for school administration to monitor traffic flow and better understand traffic through the site and how to attract potential new students.

Zions Bank | Utah, Salt Lake City
Communications Officer | 03/2019 - 01/2020
Creation of digital content for both internal and external engagement. Succeeded in creating engaging graphic and video content for social media channels, blogs, emails, and other communication channels.

ConsultNet/Informatech | Utah, Salt Lake City
Contract Software Developer | 08/2014 - 09/2018
Collaborated with a client (Zions Bancorporation) on developing various parts of their corporation's internal websites. Notably the creation and management of interactive forms that employees used to input client information into corporate databases. Identified and fixed potential security threats with internal services and deployed analytic tools to monitor site traffic and interaction.

PixelChef Media
Freelance Software Developer
Aided small businesses in creating customized and valuable software to increase sales and engage better with clients. Designed, developed, and deployed custom websites, mobile applications, content management systems, eCommerce systems, and social media campaigns.