# **Dallas Johnson**

## Software Engineer

I am currently hard at work building out our portfolio of Echo devices here at Amazon. I love C++ and Javascript, and constantly pursue robust, malleable, and scalable software architecture paradigms.





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in linkedin.com/in/dallas-j/

## **Professional Experience**

## Software Development Engineer II

Amazon.com • Irvine, California • January 2020 - Present

- Allowed Echo devices to serve speech reminders while offline. Served 320M monthly user requests and prevented 570K monthly missed reminders.
- Designed privacy state recovery to ensure that our signature red mute ring is shown even after software crashes, preventing 32K monthly user-facing failures.
- Designed agent-specific sound effects with two partner teams, and scaled for thousands of devices at Disney resorts.
- Created 3D printed debug hardware and delivered over 30 debug boards to QA teams in Sunnyvale and Chennai.
- Reduced team onboarding time from three weeks to less than 2 days through hardware preparation, documentation, and scripting of the onboarding process.

## Software Development Engineer

Amazon.com • Sunnyvale, California • January 2019 - January

- Analyzed technology options for data storage and computation, changing product direction and achieving a 25X cost reduction.
- Designed a robust hardware capacity management system utilizing AWS Lambda, DynamoDB, CloudFormation, and S3. Saved Amazon over \$1M annually and scaled to support over 1000 teams for automatic capacity scaling.

## App Developer & Instructor

Ardent Academy • Irvine, California • April 2017 - September 2018

- Developed class scheduling app using React Native and GraphQL backend, serving a student population of about 200.
- Established curriculum for a React Native app development course. Instructed classes of 15 - 20 students aged 10-16.

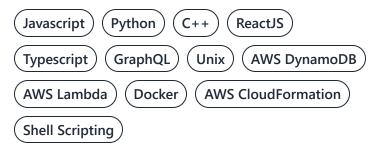
#### **Education**

## **BS in Computer Science and Engineering**

University of California, Irvine • December 2018

- Programmed in many languages, including Python, Java, C, and C++
- Designed a RISC V CPU in Verilog
- Wrote a compiler for the Cool programming language
- Took an introductory course in machine learning using **Python & Tensorflow**

### **Technical Skills**



## **Soft Skills**

**New Hire Onboarding** Thorough Documentation **Effective Communication Time Management** 

#### Interests





