

Bryan Ko

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Experience

Lockheed Martin | Software Engineer Asc

February 2019 – Present

Charge No. Form

Forms web application using Angular and Node.js (Express.js)

- Implemented Keycloak login user authentication to connect to the LDAP server for SSO
- Used Keycloak's user profile response to determine account roles through an ASP.NET Web API
- Used automated unit tests (Jasmine/Karma) to test the Angular client

Charge No. Verification Script

Python script that parses, manipulates, and verifies input file

- Used regex parse the input file (no delimiter)
- Used cx_Oracle to obtain/verify data from an Oracle database
- Manipulated data for users to easily determine what needs to be fixed

Amazon Lab 126 | Backend Engineer (Senior Project)

January 2018 – June 2018

- Worked with Amazon Lab126 engineers/sponsors and team to discuss design features, approach, and goals
- Used Scrum/Agile development cycle (met every 2 weeks to update sponsors on progress)
- Created **IoT Web Console** (see below in **Projects** for description)

BlueJay Mobile Health | Frontend Engineer Intern

December 2016 – January 2017

Admin Table View

- Used PHP to linked multiple tables with MySQL to the frontend table using the ThinkPHP framework
- Used phpMyAdmin to query the MySQL database to easily see data

BlueJay Mobile Health | QA Engineer Intern

August 2016 – September 2016

- Black box tested Android, iOS, and web application
- Reported bugs or broken features and verified if the bugs were consistently happening

Projects

IoT Web Console | Backend Engineer/Scrum Master

January 2018 – June 2018

- Displayed IoT device data to React.js by passing user login credentials to AWS API Gateway to authenticate a valid user in AWS Cognito
- Created an AWS Lambda function in JavaScript to filter and catch database stream and determines if a text message should be sent; Amazon Dash Buttons were used to trigger custom payloads to the database
- Set up server on an EC2 instance with NGINX for HTTPS connection and Route53 for custom domain name

Food Now | Backend Engineer/Scrum Master

January 2018 - March 2018

- Taught team members how to use Node.js, Postman, and MongoDB
- Created an algorithm in JavaScript to manipulate the Yelp API based on user's input

Welp | Android Developer/Project Owner

October 2017 - December 2017

- Incorporated Yelp and Dark Sky API to create an algorithm in Java to give suggestions

Fam | Full Stack Engineer/Project Owner

April 2017 - June 2017

- Integrated Google Maps to allow users to select a location to review using Angular.js Google Maps library

Skills

Languages

Java, Python, JavaScript (Typescript), HTML, CSS, SQL, NoSQL

Frameworks/Platforms/Etc.

Node.js, Angular, React.js, Express.js, Android, Amazon Web Services (AWS), Git

Education

University of California, Santa Cruz

September 2014 - June 2018

Bachelor of Science, Computer Science