

Kevin Xu

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Education

Georgia Institute of Technology, College of Computing

Atlanta, Georgia

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

May 2016

Dean's List - High Honors

Major GPA: 3.51

Skills

Languages: Java, JavaScript, TypeScript, Python, Kotlin, Ruby, SQL, NoSQL, Shell Scripting

Libraries & Frameworks: React, Redux, Webpack, Node.js, Spring, Express, Bootstrap, GWT, D3.js, Backbone.js, Marionette.js, jQuery

Technologies: HTML5, CSS3, JSON, AJAX, XML, REST

General: AWS, Serverless, Git, DevOps, Unit Testing, Continuous Integration

Experience

Netflix

Los Gatos, California

SENIOR SOFTWARE ENGINEER

April 2020 - Present

- Developing applications to get customers back to streaming.

Amazon Web Services

Palo Alto, California

SOFTWARE ENGINEER II

February 2017 - April 2020

- Developed numerous microservices on top of API Gateway + Lambda. Built async workflows using Step Functions & CloudWatch Events.
- Built a serverless deployment pattern for uploading static content to S3 using CloudFormation stacks with Lambda, lowering operational burden & infrastructure costs across all AWS services.
- Contributed key features for the launch of numerous ETL services such as AWS Glue and LakeFormation.
- Served as a mentor for new team members and a lead for infrastructure setup and overall development best practices. Established common components across the backend and frontend for reuse within the team.
- Created and presented a type safe i18n pattern in TypeScript for use across numerous development teams within Amazon.

Cisco

San Jose, California

SOFTWARE ENGINEER

July 2016 - February 2017

- Led the development of a new data visualization proof of concept using D3.js, Angular, & Elasticsearch.
- Full stack engineer on various web applications in which Cisco partners can purchase cloud based software or hardware. Tasked with deploying RESTful services in Spring & adding new functionality on web pages using Backbone.js & Marionette.js.
- Optimized an existing SFTP application runtime significantly by utilizing multithreading in Java.

Cisco

San Jose, California

CLOUD & SOFTWARE ENGINEER INTERN

May 2015 - August 2015

- Worked as a full stack engineer on Cisco's billing platform for its cloud based software subscription services. Worked heavily with Node.js, Express, Marionette.js, Backbone.js, & Spring.
- Deployed a new Android mobile application for Cisco's subscription service using a type-safe REST client with Square's Retrofit library.

DATos

Atlanta, Georgia

PART-TIME SOFTWARE ENGINEER INTERN

January 2015 - May 2015

- Headed the development of a RESTful API service that provided critical transaction data on consumer information.
- Refactored the entire DATos website using Tornado & Bootstrap and deployed application using Amazon AWS.

Kroger

Cincinnati, Ohio

SOFTWARE ENGINEER INTERN

June 2013 - August 2014

- Developed numerous Perl, Korn & Bash scripts using cron jobs to automate deleting & exporting of over 1TB of product images daily.
- Led the development of a dynamic web application for internal customer ticket requests utilizing Backbone.js, jQuery & MySQL.
- Created Java applications for numerous Essbase tasks (Automated copying of data from one cube to another, SQL hierarchy visualization for tables).
- Automated & formatted big data sets into CSVs to be ingested into a SharePoint Wiki.
- Improved the handling and parsing of large data files by 90% using Perl & Regex.