

# Sean Jun: Full Stack Engineer

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Ex-scientist programmer—with 9 years of STEM background—experienced with modern full-stack web technologies. Proven track record of learning quickly, adapting to multiple work environments (corporate, startup, freelance), and excellent soft skills with teammates.

## Skills

**Languages/Frameworks:** JavaScript/TypeScript, Node.js/Express, React/Hooks/React Native, Python, Angular, GraphQL, PostgreSQL

**Web:** Prisma, MongoDB, Bootstrap, D3.js, Socket.io, styled-components, Passport, OAuth, Firebase, Webpack, Git, MJML, AWS

**Tools/Testing:** Heroku, Docker, Travis CI, Mocha/Chai, Jest/enzyme/react-testing-library, Selenium, Cypress

## Relevant Experience

### AMERICAN EXPRESS | Full Stack Engineer Sep 2019 – Present

- [US Partner Acquisition Team], for the 'Partner Gambit' project – introducing the user new option to accept credit cards once approved – I worked on: – The entire front-end uplift; – Go2 (back-end server) integration PSL request object update; – Building React components for single card landing pages; – Implementing Adobe tagging (click tracking); – E2E test support for happy/unhappy paths; – Updating automated testing scripts. Also, launched card material type selector components with Delta Airline (introducing recycled aircraft materials).
- [Global Acquisition Team], developed the application with modularized system architecture—where each geo-location determines its components. In 2020, introduced a user experience that dynamically displayed the application fields based on user preference. The feature was expected to drive a 24% lift in user submissions, translating to +4M in revenue.
- Tech: React/Node.js, Angular, Jest, Selenium

### DIGITAL AIR STRIKE | Front End Engineer II Apr 2018 – Jun 2019

- Worked in an engineering team building an internal data management application for the company's sales engineers.
- Part of the Front End Team creating UI side of applications with the latest React technology—Redux-Saga/styled-components/Hooks. Also, implementing Jest/react-testing-library/Cypress environment to follow TDD industry standards.
- Became an expert in generating responsive email reporting templates for clients. Used the MJML framework to create the templates.
- Tech: React/Redux/Redux-Saga/Hooks, Node.js/Express, Jest/react-testing-library/Cypress, MJML

### THINKFUL | Coding Instructor (Part-time) Sep 2017 – Sep 2018

- Part-time community work outside of Intel (offered due to post-bootcamp success). Took the opportunity to improve public speaking.
- Hosted weekly workshops to educate people about basic programming and shared insight on 'How to Break into the Tech Industry.'

### INTEL CORPORATION | Systems Software Engineer Dec 2016 – Apr 2018

- Contracted to work as a part of the UI programming team on developing retail applications (similar to Amazon Go) adopting IoT solutions.
- Initially, involved building D3.js-powered data visualizations to showcase RFID tags-to-sensor relationships. Presented this proof-of-concept at the National Retail Federation 2016. Work was recognized, leading to the contract's extension to its full length.
- [After the extension] worked on building an internal RFID-sensor management console application for retail managers. Most of the work involved upgrading an AngularJS app from legacy code to new version 2 and converting the app from Semantic to Bootstrap frameworks.
- Tech: Angular, TypeScript, Bootstrap, D3.js, Karma/Jasmine, SQL, AWS

## Side Projects

### [culecorea.com](http://culecorea.com) | Soccer Community for Korean FC Barcelona Fans | Indie Developer May 2020 – June 2022

- Renewing a 13-year-old soccer community website that has >20,000 members. Converting SQL database encoding from euc-kr to utf-8.
- Tech: PHP, MySQL, CMS, Bootstrap, XAMPP (Local Server), AWS (Web Server), FTP

### [ko.reactjs.org](https://ko.reactjs.org) | React Official Documentation Korean Translation | Open Source Contributor Apr 2020 – Jan 2021

- Made open source contribution to React's official documentation by translating [Hooks FAQ](#) to Korean.
- Tech: React/Hooks, Git/GitHub, Korean/English

### GUI Automation | Python Automation Script for C4 Laboratories | Open Source Contributor Dec 2019

- Wrote Python script for automating routine reporting tasks at C4 Laboratories (currently known as [SC Labs](#))
- Tech: Python, PyAutoGUI Module

### Tomato Timer | Pomodoro Timer | Mobile Developer Jun 2019 – Jul 2019

- Developed a mobile application using React Native. Architecture setup with Redux.
- Tech: React/Redux, React Native

### Prismagram | Instagram Clone Server | Back End Developer Apr 2019 – Jun 2019

- Designed/Implemented Instagram clone API with GraphQL/Prisma (Passport for authentication).
- Tech: Node.js, Prisma, GraphQL, Passport

## Education

Korea Advanced Institute of Science and Technology | M.S., Materials Engineering, 2010 – 2012

University of California, Santa Barbara | B.S., Biochemistry, 2004 – 2008