# Sebastian Su

2+ years Software Engineering Experience | Full Stack Software and Data Engineer | Computer Science Degree

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Dynamic and accomplished Full Stack Software Development Engineer with 2+ years' experience and expertise in Business-driven applications, Data Analytics, Project Management, and Interpersonal Skills. Proven and demonstrated domain knowledge and technical acumen, effective collaboration skills, and software development expertise. Innate ability to build and sustain strong relationship to streamline operations.

## SIGNATURE COMEPETENCIES

**Programming Languages:** Java | React | Python | JavaScript

**Technologies:** Spring Boot | MySQL | Couchbase | Kafka | Flink | Docker | Git | Junit | AOP | Redis | Redux

**Data Science Skills:** A/B Testing | Data Visualization | Pandas | Scikit-learn | Power BI | Tableau | Regression analysis

## PROFESSIONAL EXPERIENCE

**Full Stack Software Engineer -** The Michaels Company (Michaels.com)                    **Nov 2020 – Present**
San Jose, California

**Backend:**

• Designed and implemented an IAM with Role-Based-Access-Control in an internal customer care portal using JWT and Spring AOP

• Designed and implemented microservices for In-App Messaging using Sprint Boots for online marketplace

• Designed and implemented User Login Backend (User Registration, Login, Logout, update/reset password) using Sprint Boots

**Frontend:**

• Built web pages for User Search, Order Management, Seller Dashboard, Classes Management, User Profile using React, Redux and JavaScript

**Full Stack Data Engineer -** Qompass Voyage Ltd (qeeq.com)                    **Jan 2018 - Aug 2019**
Hong Kong and Guangzhou

• Built a streaming application using Apache Flink to aggregate search data by users and visualize search event click-through rate for different marketing channels and Top 50 destination cities in 10 mins time window. These aggregated data Analytics helped our pricing strategy acquisition **cost decreased by 27%** and revenue increased by 32% quarter over quarter

• **Data Processing**: Developed and automated large scale, high-performance data processing systems to drive business growth and improve the product experience

• **Data Management**: Optimized existing data pipelines to improve efficiency and latency, deploy inclusive data quality checks to ensure high quality of data

• **Data Modeling:** Built data models and improving our existing data models for analytics

• **Data Visualization Dashboard**: Designed, built and launched (Using Highcharts.js, JavaScript, Tableau and Power BI) reporting application used by over 120 customers on daily basis from Product, Marketing, Business Development, and Finance teams

## EDUCATION

**University of California, Berkeley**                    June 2015 – Dec 2019
Bachelor's degree, **Computer Science**                    Berkeley, California

## SIGNATURE PROJECTS

**In-App messaging**

• Designed and implemented an in-app messaging service for buyers and sellers to communicate (Sending texts and images) in online marketplace

• Implemented Recent contacts, tagging conversations, and unread messages count for different conversations

• Implemented full text search feature for historical messages

• Implemented Unread message email notification using SendGrid email service to improve user engagement

• Built microservices to ensure the security of message content

**IAM: Identity and Access Management**

• Designed and implemented an Identity and Access control management service with RBAC for an internal customer care portal

• Built RESTful API for (CRUD) users, roles, and permissions, and create/delete user-to-roles and role-to-permissions mapping

• Implemented activity log for all operations (PUT, POST, DELETE) for important resources using Spring AOP with multithreading

• Implemented schedule task to deactivate users who are inactive on Workday

• Implemented smtp email service for notification of change and alert