

Tan Shu

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SUMMARY

- Seeking a full-time software engineer position starting from June 2022.
- A programming enthusiast with strong programming, analytical, designing and communication skills. A wide range of project experience on web development, machine learning, and mobile development. Solid programming skills in **Java, Python, SQL, HTML/CSS and JavaScript**.

TECHNICAL SKILLS

- Programming Languages: Java, JavaScript, SQL, Python
- Databases and Cloud: MySQL, AWS EC2, AWS Lambda
- Web/Mobile Development: Java Servlet, Node.js, JQuery, HTML & CSS, React, Android

WORK EXPERIENCE

Software Engineer Developer, Tan Shu, CPA & Co. PC

Nov 2020- Present

- Built a web page with rich and user-friendly experience using **React and Ant Design**.
- Utilized React **JS Virtual Dom** and **React views** and rendered the website using **components**.
- Implemented **RESTful APIs** using Java servlets and stored data in **MySQL**.
- Designed and built a full-stack web application via Github Pages.
- Deployed the service to **AWS EC2** for better stability.

PROJECTS

Staybooking: an online stay rental application

Jan 2022 – Mar 2022

- Built a single page web application using **React**. Bootstrap the development with mature component library AntD.
- Implemented the backend services based on **Spring Boot** to support stay upload, delete, search and reserve functionality.
- Used **MySQL** to store user-generated data such as stay information and reservation history.
- Utilized **Google Cloud Storage** to store media files for the uploaded stays.
- Implemented token-based user authentication based on the **Spring Security framework**.
- Deployed the backend service to Google App Engine for better scalability and reliability.

Tinnews: A Tinder-like News App

Oct 2021 – Dec 2021

- Created a news app based on Google Component Architectural **MVVM** Pattern.
- Implemented the bottom bar & page navigation using **JetPack** navigation component.
- Utilized 3rd party **CardStackView** (RecyclerView) to support swipe gestures for liking/disliking
- Built the Room Database with LiveData & ViewModel to support local cache and offline model
- Integrated Retrofit and LiveData to pull the latest news data from a **RESTFUL** endpoint.

Starlink: React JS based Starlink Trajectory Visualization

Jul 2021 – Sep 2021

- Designed and developed a visualization dashboard using **ReactJS** and D3 to track satellites in real-time based on geo-location.
- Built location, altitude, and duration-based selector to refine satellite search.
- Animated selected satellite paths on a world map using D3 to improve the visualization.
- Deployed the dashboard to **Amazon Web Service** for demonstration.

EDUCATION

Thunderbird School of Global Management

Master of Arts in Global Affairs and Management GPA: 3.82/4.00

Phoenix, AZ
Sep 2012 – Dec 2013

Boston University School of Management

Bachelor of Science in Business Administration GPA: 3.52/4.00
Double Concentrations in Accounting and Finance, Minor in Economics

Boston, MA
Sep 2008 – May 2012