

Chuchu Song

Software Engineer

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EDUCATION

Hack Reactor

Full Stack Development

Apr 2018 – Jun 2018

San Francisco

University of California, Davis

B.S. Managerial Economic

Sep 2012 – Jun 2016

Davis

SKILLS

Focus: JavaScript, TypeScript, SQL

Framework/platform: NodeJS, create-react-app, Angular CLI

Database: PostgreSQL, MongoDB, MySQL

Frontend: React/Redux, Angular (2+), Material Design, Bootstrap, SASS

Maintenance: AWS Elastic Beanstalk, EC2, Heroku, Github Pages, mLab, New Relic

EXPERIENCE

Nununails (NodeJS, Angular6, MongoDB, SASS, AWS Elastic Beanstalk, EC2)

Jun 2018 – Present

Solo Full Stack Developer

production: <http://www.nununails.com>

An eCommerce online sales platform for nails supplies

- Built a NodeJS based server with Express, designed data processing routes with RESTful APIs and deployed the backend server on AWS with EC2 and Elastic Beanstalk.
- Hosted a MongoDB to store user data in JSON on mLab, applied Mongoose (ORM) to access modal data and perform CRUD operations in response to the server requests.
- Implemented a UX oriented customized interface in Angular framework with SASS styling and hosted the frontend code base with obfuscated optimization on Github page.

ChatterSquare (NodeJS, React/Redux, PostgreSQL, Heroku, New Relic)

Apr 2018 – Jun 2018

Full Stack Engineer

demo: <https://chattersquare.herokuapp.com>

An online social networking platform for chat and friends

- Incorporated Express data routers and React to build a NodeJS based web app that provide services such as group chat, friend invitation, and profile management.
- Designed the user data tables and constructed a relational database with PostgreSQL, processed the schema configuration controller requests by using KnexJS library.
- Generated thousands of seed data by simulating the render functions across multiple tables and handled the schema dependency through managing the promise functions.
- Split the front end and back end servers and have them deployed on Heroku separately, attached New Relic addons to keep the app running in 24-7

Viovo (React/Redux, Material UI, AJAX)

Jan 2018 – Apr 2018

Front End Developer

demo: <https://viovo.herokuapp.com>

A single page real-time video streaming website

- Integrated React Router to render multiple views in a Single Page Application providing users the ability to navigate the app with less loading time.
- Applied Redux cycle to manage the data flow by dispatching event actions to send HTTP request and to update the state data stored in reducer with the response data that returned and transformed by Axios library.
- Designed and visualized the app in Material UI to enhance the user interface with a modern and comfortable visual experience by adding features such as hover effect, infinite scroll, and loading indicator.