

ZUHUI (ERIC) HE

Software Engineer

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Canada work permit holder. Professional Software Engineer with 3+ years of experience in web development and data engineering, including web app development, testing and large scale cluster computation

SKILLS

JavaScript	Node.js	Java	Scala	Python
TypeScript	React	Redux	Next.js	Material-UI
Express	Hapi	Koa	GraphQL	Apollo
MySQL	PostgreSQL	MongoDB	Spark	Hadoop
Mocha	Jest	Enzyme		

WORK EXPERIENCES

Apple

Software Engineer
Cupertino, CA

Jan 2018 – Now

- Developed and maintained several **React** Web Apps widely used within Apple map teams to visualize and analyze map tilesets data, trigger and manage **Spark** pipelines and jobs
- Created several useful FusionX JavaScript Plugins and publish to FusionX app stores to assist developers and data scientists to do map matching analysis, map routing and visualize map tileset data in HDFS
- Designed and implemented various Spark pipelines and job artifacts to fulfill large scale data processing and distributed computing
- Created web service and PostgreSQL database to manage pipeline and job artifact run status on Hadoop clusters
- Published personal projects by React and Next.js for user to build large scale universal web app and services
- Worked closely with other map teams to address radar issues for pipelines and apps

Walmart Labs

Software Engineer
Sunnyvale, CA

Jan 2019 – Aug 2019

- Created functional **Express** and **Koa** middlewares and **Hapi** plugins for **Electrode.io**
- Developed several function and performance oriented features, including support Koa server, server side rendering, dynamic loading and JavaScript bundle optimization, etc.
- Wrote unit and integration test cases for components and project packages
- Actively addressed public issues on GitHub and JIRA issues reported by other teams

Chuwa America

Full Stack Engineer
San Jose, CA

Jan 2017 – Dec 2017

- Participated in design and implemented internal user management web app project
- Created ListView functional components and added sorting and filtering functions
- Created Express server with REST API
- Designed **MongoDB** database schema

EDUCATION

Syracuse University, Syracuse, NY

Dec 2016

M.S. in Computer Systems Networking & Telecommunications

M.S. in Mechanical Engineering