# HIROSHI TANAKA

## FULL STACK ENGINEER

Creative Fullstack engineer with 6+ years of professional knowledge of WEB and Blockchain development with a willingness to learn and master Software architecture and Blockchain. Node/Typescript expert.

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## KEY SKILLS

### Front End

- StencilJS, ReactJS, Redux, Babel, Webpack
- CSS3/SCSS/SASS, ES6/ES7/ES2015, Typescript,
- HTML5, JSON, RESTful API, GraphQL
- Material-UI, Tailwind CSS, Ant-Design

### Back End

- Node.js, Express.js, Nest.js
- Python, Flask, Django, Falcon
- Java, Kotlin, Spring Boot

### Blockchain

- EthPM, Solidity, Truffle, Geth
- Solana, Rust

### HyperLedger Tools

- HyperLedger Composer, HyperLedger Fabric
- Access Control Language

### Databases

- CRUD, EF, MS SQL Server, MongoDB
- NoSQL, ORM, SSIS, SSRS
- MySQL, Postgresql

### DevOps

- Ansible, CircleCI, Jenkins,
- Git, Docker, Kubernetes
- AWS CloudFormation

### SDLC

- 12 Factor App, Agile, BRD, Jira
- OOP, SOLID principles, UML

## WORK HISTORY

### Fullstack Engineer
**AMERA Iot Inc**

06/2020 – present

- Build and deploy highly available & secure video conferencing solutions.
- Development, design, and implementation of the new API endpoints as high-volume single-page applications that provided team management, and good communication channels such as 1:1 text/video chat, internal mailing system, and keeping manageable code complexity.
- Implement UI using React.js and modern web technologies such as shared service, and WebRTC.
- Improve the security and performance problems relating to end-to-end encryption in the system.

### Fullstack Engineer
**Puppet**

04/2020 – 12/2020
Tokyo, Japan

- Handling full-stack programming tasks for the development of the high-profile external web app using CRUD, Postgresql, Node, and Python. As a result, 6 bug-free releases have been deployed just-in-time.
- Design and configuration of the fully automated CI/CD lifecycle for the high-volume online service decreasing time-to-market cycle and improving deployment confidentiality.
- Developing, design and implementation of the new API endpoints as a part of high-volume single page applications that provided critical connectivity channels for distributed functionality and increased system cohesion keeping manageable code complexity.
- Improving product aesthetics and UX of the business-critical web application, resulting in a 75% CHI (Customers Happiness Index) increase.
- Resolved technical problems relating to the business-critical customers-facing portal resulting in system performance and scalability improvements

### Software Developer
**Fenrir Inc**

06/2018 – 03/2020
Tokyo, Japan

- Assessing project requirements using Agile & Scrum principles related to the high-volume customer-facing portal that helped prioritize developing activities and reduce ad hoc work requests by 27%.
- Capturing the best development practices in a way of common condign standards team of 4 developers that helped to decrease code complexity and improve maintainability of the shared libraries and components.
- Worked in adaptive web applications using MongoDB database, building back-end servers with NodeJS and Express, and integrating with restful APIs and web service.
- Used ReactJS to build the website. Added Redux to simplified component data and state.
- Implemented various screens for the front-end, and used various predefined components from Material-UI.

### Fullstack Engineer
**AtomAP**

08/2016 – 05/2018
Tokyo, Japan

- Fully automated infrastructure, and cloud provisioning related to the critical web application resulting in 4x cost reduction spent on hosting.
- Documenting solution architecture for the mission-critical customers-facing portal reducing the TTM (time-to-market) by 52% ensuring high code maintainability.
- Implement Bootstrap CSS styles and ReactStrap components to enhance the interaction. Used Sass and BEM(class naming convention) to make the front-end coding more maintainable.
- Revamping UI, UX and overall design aesthetic of the high-volume single page app, resulting in 53% increase in users retention.

## PORTFOLIOS

- https://amerashare.com

[**Reactjs, Redux-thunk, Material-UI, Restful API, Falcon 2, Python** ]

- https://getbonzo.com

  [ **Material-UI, Reactjs, Redux-saga, Twilio programmable voice API, Express.js, Restful API** ]

- https://scrapo.com

  [ **Bootstrap4, Reactjs, Redux-Thunk, Stripe, Plaid, Google Map API** ]

- https://www.kactus.com/

  [ **Bootstrap4, Reactjs, Graphql, Functional Component, SCSS** ]

## EDUCATION

- Tokyo University of Science, 2009 - 2014. Computer Science (MS)

## ADDITIONAL INFORMATION

- Availability: 40hrs/week, Mon~Sun, UTC-4