

# Ihsan Engku

## Frontend Engineer

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### CAREER OBJECTIVE

Experienced in end-to-end software development with fierce passion about the user experience and user interface design. Love working with others to build a free-flowing and robust solution and deliver the best experience to the users.

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### Skills

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Javascript/ES6, HTML, CSS, TypeScript, Python, Golang  
Next.js, React, Angular  
Redux, Jotai, Zustand, React Router, React Location, TanStack Query, Zod  
GraphQL, RestAPI  
SASS, LESS, CSS-in-JS, CSS modules, emotion-js, styled-system, Tailwind  
Yarn, NPM, BunJS, NodeJS, FastAPI, FiberGO, Git, Jest, Enzyme,  
react-testing-library  
Prisma JS  
Nx, Turbo Repo

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### Experience

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#### Anymind Group / Senior Frontend Engineer

SEPTEMBER 2022 - PRESENT, Roppongi, Tokyo

- Led the creation and development of the company's UI Library that is the central resource used by all teams within the company, using React.js, Mantine and Tailwind CSS and NX to ensure scalable codebase management.
- Employed advanced design principles, emphasizing responsive and atomic design
- Upgraded UI/UX for superior functionality, focusing on accessibility and cross-browser compatibility
- Architected and administered a frontend library, focusing on React components, Hooks, and Context API, within a DDD monorepo architecture, ensuring scalability and maintainability.
- Adopted CSS-in-JS techniques with styled-components, and integrated a CI/CD pipeline using Bitbucket pipeline, facilitated by NX for streamlined workflows.
- Implemented standardized coding practices and automated processes in the DDD monorepo, enhancing development speed and consistency across projects.
- Significantly contributed to the AnyX project, implementing GraphQL for optimized data handling and Zod for type validation, all within a DDD monorepo architecture.
- Implemented Auth0 for robust authentication and security within a DDD monorepo architecture.

#### Cruzzie, Inc. / CTO

JUNE 2022 - OCTOBER 2023, San Francisco, CA

- Led the creation and development of the Cruzzie Analytics App's UI

Library, a central resource for all teams, using React.js, Mantine, and Tailwind CSS. Utilized TurboRepo and Next.js with create-t3-app that run using Bun.JS for efficient and scalable codebase management.

- Focused on advanced design principles in the Cruzzie Analytics App, emphasizing responsive and atomic design to elevate user experience and interface.
- Enhanced the UI/UX of the Cruzzie Analytics App, prioritizing accessibility and cross-browser compatibility for superior functionality.
- Architected and managed a frontend library for the Cruzzie Analytics App, centering on React components, Hooks, and Context API, ensuring scalability and maintainability.
- Implemented CSS-in-JS techniques with styled-components in the Cruzzie Analytics App, and integrated a CI/CD pipeline using Vercel and github actions for optimized workflows.
- Established standardized coding practices and automated processes, enhancing development speed and consistency across the Cruzzie Analytics App's projects.
- Implemented Next Auth for secure and effective authentication in the Cruzzie Analytics App, complemented by PrismaJS for database management.
- Integrated OpenAI Chat GPT API in the Cruzzie Analytics App, developing an advanced AI-powered chat interface.
- Implemented Zapier integration for the chat interface, enabling seamless automation and connectivity with various external applications and services.

## **Qlub / Product Development Manager**

MARCH 2022 - SEPTEMBER 2022, Dubai, UAE

- Guided Qlub's product strategy for the Japanese market, ensuring legal and market compliance.
- Authored essential documentation on POS and payment gateways, aiding team efficiency.
- Customized global tech solutions to Japanese market requirements, using Golang, Square, Stripe, and PayPal.
- Served as a key liaison between Japan and global teams, streamlining communication and project integration.

## **Seven Rich Group / Senior Frontend Engineer**

APRIL 2021 - FEBRUARY 2022, Shibuya, Tokyo

- Pioneered a headless Shopify setup with Next.js, enhancing site performance and user experience, and leveraging the Shopify API.
- Reduced e-commerce operational costs by over 30% through an AWS serverless architecture, employing Lambda, DynamoDB, and S3.
- Integrated Contentful CMS for improved website adaptability and content management, utilizing AWS serverless technologies.
- Increased development efficiency by 10% through infrastructure code using the Serverless Framework, enhancing deployment and operational processes.
- Developed and executed high LTV sales strategies for cross-selling and upselling within the Shopify platform, supported by AWS serverless infrastructure.
- Authored GitHub Actions for CI/CD, ensuring efficient, automated deployments and optimized development pipeline.

- Led the consolidation of 5 micro-frontend apps into a single SPA, achieving better performance, design uniformity, and code reusability.
- Analyzed and communicated the effectiveness of the SPA initiative to upper management, highlighting its cost-benefit impact.
- Conducted comprehensive source code updates and refactoring, streamlining the contribution process for other engineers.
- Oversaw the creation and implementation of over 10 high-impact frontend features, significantly elevating the product's capabilities.
- Fostered collaborations with backend and DevOps teams for the release of new applications and API endpoints.
- Wrote detailed tech briefs for large features, coordinating efforts between frontend and backend teams, and efficiently managing tasks through JIRA.
- Explored and implemented cutting-edge technologies and patterns to enhance business operations and developer productivity.
- Shared expertise and best practices with various teams, leading to widespread adoption and improved company-wide practices.
- Bridged communication gaps between developers and other business departments.

### **C3 Reve / Frontend Engineer**

MARCH 2020 - FEBRUARY 2021, Shibuya, Tokyo

- Developed Mind Weather, integrating Line with Angular and TypeScript for the frontend.
- Implemented atomic design principles for component design and utilized SASS for styling.
- Deployed Mindweather on AWS S3 infrastructure.
- Created StoryM, a hybrid Android and iOS app, using Ionic Angular with TypeScript.
- Employed atomic design components and LESS for CSS in StoryM.
- Deployed StoryM effectively on AWS.
- Led the development of Limember, a Line official account management service.
- Utilized LIFF with Ionic Angular and TypeScript for Limember's frontend.
- Followed atomic design principles for component design.
- Deployed Limember on AWS S3 infrastructure.
- Contributed to Migakilchigotoichibiko, a Line coupon management service.
- Implemented LIFF with Ionic React and TypeScript for Migakilchigotoichibiko's frontend.
- Designed atomic design components for code consistency.
- Deployed Migakilchigotoichibiko using AWS S3 infrastructure.

### **Birdworks, Inc. / Frontend Engineer**

APRIL 2018 - FEBRUARY 2020, Tottori, Japan

- Developed a sophisticated Inventory Management System at Birdworks.
- Utilized Angular for the frontend, Rails for the backend, and Ionic for the Android app.
- Implementing Material Design System with angular material ui library.
- Implemented a QR code scanner for efficient inventory management.
- Created a Company Slideshow Web App at Birdworks using Express and Angular for the development.
- Integrated MQTT for device control, enabling commands to be sent to devices like Pepper and Robohon for automated presentations.
- Spearheaded a 5-day internship program twice annually at Birdworks for talent development and mentorship.

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## Education

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### Tottori University / Bachelor of Mechanical Engineering and Robotics

APRIL 2014 - MARCH 2018, Tottori, Japan

- Developed proficiency in programming languages, including C, C++, and Python, during coursework.
- Applied object-oriented programming principles to solve applied physics problems related to mechanical engineering.
- Utilized programming skills to analyze and simulate complex mechanical systems, enhancing problem-solving abilities.
- Collaborated on multidisciplinary projects that required software development for robotics and automation applications.
- Gained a strong foundation in computer programming, enhancing adaptability to diverse technical challenges.

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## Awards

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- Startup Singapore Antler elected batch 2023
  - IT Passport Certification by Japanese Government