Arnie Hsieh (Tsung-Lin, Hsieh)

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Work Experience

Software Developer
Back to Dev Ltd, Australia
August 2022 to present

- Spearheaded the design and management of a customer engagement web platform, utilizing React, Node.js, Meteor.js, AWS and MongoDB.
- Leveraged FlowLu and Trello project management tools to streamline tasks, track progress, and ensure project milestones were met on time.
- Overhauled end-to-end testing to increase testing code coverage for front-end operations.
- Integrated data with a 3rd-party API, enriching the platform's functionality and improving asynchronous operations by adopting an event-queue-based architecture, enhancing system efficiency and reliability.

Software Engineer
Proscend Communication INC, Taiwan
August 2020 to July 2022

- Developed a user-friendly, responsive UI for IoT management, setting, and data display using React, SASS and HTML.
- Code Tested with Jest, React-Testing-Library and Cypress.
- Designed and implemented RESTful API with Django framework and MongoDB.
- Deployed code with Docker.
- Collaborated with Project Manager, Quality Manager and Application Engineer to solve customer issues and handle customized requirements.

Certification

- AWS Certified Solutions Architect - Associate
- AWS Certified Developer - Associate

Professional Summary

An ambitious and driven web developer with 4 years of expertise, adept at full-stack development. Possesses outstanding analytical and problem-solving skills.

SKILLS & PROFICIENCIES

Javascript/TypeScript
React
HTML/CSS/SCSS
Python
Django
Node.js
Docker
MongoDB
SQL
Git
AWS

EDUCATION

Master's Degree
National Tsing-Hua University, Taiwan
Engineering and System Science

Bachelor's Degree
National Chi-Nan University, Taiwan
Applied Materials and Optoelectronic Engineering

OTHER EXPERIENCE

Principle Engineer
United Microelectronics Corporation, Singapore
Jan 2019 – May 2020

- Led troubleshooting efforts for RMA cases, conducting comprehensive investigations and analysis to determine root causes, leading to effective solutions and customer satisfaction.
- Collaborated with cross-functional teams to resolve defects and low-yield cases, fostering a cohesive and proactive approach to problem-solving and process optimization.
- Generated and presented weekly reports on production WIP and yield to customers, promoting transparency and facilitating informed decision-making.

Integration Engineer
Taiwan Semiconductor Manufacturing Corporation, Taiwan
Apr 2014 – Jan 2019

- Monitored process stability and analyzed data using SPC (Statistical Process Control) techniques to identify and address abnormalities, ensuring consistent and reliable production.
- Spearheaded continuous improvement initiatives, successfully enhancing process stability, reducing costs, and increasing productivity through methodical experimentation and data-driven decision-making.
- Optimized process flow to achieve improved cycle time and defect performance, increasing overall operational efficiency and product quality.

Volunteer work

Front-End Developer (Remote)
Australia Career Forum
September 2023 to May 2024

- Developed new features/enhancement of a membership-based career platform using TypeScript, React, RxJs, stripe and Ant Design.

Front-End Developer (Remote)
Accelerated Evolution – The Break INC, Melbourne
December 2021 to July 2022

- Maintained and developed a web booking system using Angular and Bootstrap.
- Integrated back-end authentication/payment services with RESTful API.