

HUY DANG

Full-stack Developer

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[Github](#) | [Linkedin](#)

TECHNICAL SKILLS

- Programming languages: Javascript, Typescript, Java.
- Backend: Node.js, Express.js, NestJS, TypeORM, Redis, Spring Boot, Hibernate, JPA.
- Frontend: ReactJS, Next.js, Bootstrap, Tailwind.
- Testing: Jest, Playwright.
- Infrastructure: Oracle Cloud, AWS, Docker, Kubernetes, Portainer, Github Actions.
- Database: MySQL, PostgreSQL, MongoDB.
- Others: React Native, Theia Framework, VSCode extension, ESLint, Linux Shell Script.
- Good understanding of SOLID and OOP, can apply common Design Patterns
- Knowledge on developing microservices, serverless.

WORK EXPERIENCE

Renesas Design Vietnam (Onsite)

Ho Chi Minh

Senior Software Engineer

01/2019-01/2021, 08/2023 - Now

Project: QuickConnect Studio

QuickConnect Studio is a cloud-based design platform allowing users to visually create software prototypes for rapid validation and product development. Engineers can drag and drop hardware device blocks to build solutions, and the platform auto-generates software for no-code development. QuickConnect boards with standard connections are then available for users to deploy the auto-generated software to test within a matter of minutes.

- Key member of the back-end development team, delivered NodeJS backend applications for streaming Android devices screen and camera.
- Be responsible for developing and maintaining device management features in the backend, using NestJS framework.
- In charge of conducting test specification and test suites for the back-end application, including UT and E2E testing with Jest.
- Part of the infrastructure team, joining cloud deployment tasks (using AWS, Docker, and Kubernetes) and on-premise deployment (using automation Linux shell script to deploy on company products devices).
- Worked with the testing team for generating testing scripts on VSCode extension components and modules, including UT with Jest and E2E with Playwright.
- Developed VSCode/Theia extensions for embedded functions in the application.
- Investigated and applied accessibility standards to the application.

Keywords: NestJS, Express.js, ReactJS, Cloud-based IDE, VSCode extension, Theia, Accessibility, video streaming, Jest, Playwright, Unit Test, E2E Test, AWS, Kubernetes, Docker.

Viatick PTE (Remote)

Singapore

Full-stack Developer

01/2021-08/2023

Project: JARVIS

JARVIS platform is an all-in-one web-application that aims to provide solutions for indoor/outdoor personnel/asset tracking, ecosystem data, etc... using IoT technology, depends on the business logic on each template of JARVIS. JARVIS provides multiple templates to fulfill business logic of clients: Healthcare, Government, Real Estate,...

- Key member of the development team, mostly working on the back-end, integrating IoT devices from third-party companies, deployment, both on cloud and on premise.
- Implemented enhancement for existing features as requirements from clients, including database design for new data and UI/UX design for new features.
- Migrated monolith, on-premise application to microservices, cloud based application, from Java Spring Boot to Typescript NodeJS.
- In charge of deploying on premise applications weekly, ensure all functions are working well before notifying the client to continue to use.
- Was responsible for managing devices, carefully checking and helping the clients to on-board the devices, and taking action immediately if anything goes wrong.
- Developed a simple mobile application that leverages Bluetooth and SIP Calling.
- Developed tcp, proxy server for different purposes, such as for chat server, receiving reading from IoT devices using MQTT protocol, etc. and deploy them to Kubernetes.
- Providing solutions for on-premise projects by packaging source code with Docker.
- Provided front-end new features to reflect tracking and analytics data by working closely with Singapore product teams with ReactJS.
- Worked with Tech lead and Design team to conduct, enhance and deliver user-friendly UI/UX.
- Participated in daily code review to ensure the performance and quality of all projects.
- Instructed and guided newcomers to get used to project code and working flows.

Keywords: Express.js, ReactJS, IoT, bluetooth devices, tracking, analytics, healthcare, tcp, microservices, monolith, Jest, Oracle, Kubernetes, Docker, Java, Spring Boot, MySQL, mongoDB.

LEADERSHIP EXPERIENCE

Viatick PTE x OneBerry Technology (Outsource, Remote)

Singapore

Team Lead

02/2023-08/2023

Project: Virtual Patrol System

Virtual Patrol System is a platform that allows the users to have their officer running patrol or surveillance with cameras, using NX Witness.

- Collaborated with the Project Manager and Design Team from another company to transform the customer requirement into this application.
- Conducted meetings to report the project status, also receiving feedback, new requirements and breaking them down into tasks for the developing team.
- Frequently reviewed current applications and new requirements, in order to give the team ideas for enhancement and improvement.
- Built the structure and core code for both backend and frontend.
- Monitored application health status through written test cases and logging, then take actions in urgent cases that affect the application performance and user experiences.

Keywords: NestJS, Next.js, PostgreSQL, Redis, camera, NX Witness, video streaming, patrolling, leader.

EDUCATION

Bach Khoa University

Vietnam

ELECTRONICS & TELECOMMUNICATION ENGINEERING

11/2015-11/2019

GPA: 7.5/10

CERTIFICATIONS

TOEIC Certificate issued by IIG Vietnam (Score: 945)

11/2019

Oracle Cloud Infrastructure 2022 Certified Architect Associate

12/2022