

TRONG HOANG

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FULL STACK DEVELOPER (JavaScript)

Technically adept full-stack developer with hands-on experience contributing to development of complex enterprise software as valued member of elite technical team. Technical expertise spanning Node.js, Express.js, React.js, MongoDB, and AWS platform. Experience leveraging React.js and Node.js in full-stack development. Personable team player with talent for effective collaboration with both clients and technical teams.

Web Application Development • JavaScript Programming • User Interface Development • Database Design
Web Services • Microservices • Technical Troubleshooting • Agile Software Development

Languages: JavaScript, Java

Web: HTML, CSS, Bootstrap, Ant Design, Material Design, Styled Component, jQuery, Typescript, Flow, Babel, Redux, Jest, Mocha

Web Services: RESTful, Microservice

Web and Application Servers: Nginx, GitHub CI/CD

Frameworks: Next.js, Express.js, Node.js, React.js, Spring Boot, Hibernate

Databases: MongoDB, Postgres, DynamoDB, Firebase

Design Patterns: Singleton, Factory, Provider, Prototype, HOC

SDLC: Agile Scrum

Tools: Docker, Docker Compose, Webpack, Postman, Kafka, RabbitMQ, ClickUp, Jira, Trello, StarUML

Platforms: Windows, Linux, Amazon Web Services, DockerHub, NPM

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment). Willing to relocate.

CODE ENGINE STUDIO, Da Nang, Vietnam • 2020-2022

Software development company.

Software Developer: Played key role on elite technical team in developing enterprise software.

- Conducted front-end and back-end programming using JavaScript.
- Assisted in planning Agile sprints and translating customer requirements to robust, scalable code.
- Leveraged React.js, Flow, Styled Components, HTML, CSS, SASS, and Redux to develop web apps.
- Developed high-performance React application using React Hooks, React Context, and Redux.
- Constructed role-based access control for RESTful API apps using Node.js, Express.js, and MongoDB.
- Developed object-oriented models for data visualization.
- Established testing frameworks for team projects using Jest; built mock tests using Node.js RESTful API.
- Integrated applications with 3rd-party systems including Dropbox, Google Analytics, Google Search Console, SendGrid, MailChimp, Stripe, and Intercom.
- Led extension of exclusive features and plugins in 3rd-party libraries for visualizing data on web applications and exporting PowerPoint files.
- Built complex payment gateway integrated with Stripe APIs. Established product schema compatible with business logic and recurring subscriptions for users.
- Managed application deployments, EC2 instances, domain names, and email configuration.
- Configured JavaScript projects using Webpack, Babel, Docker, and CI/CD on Gitlab and GitHub.
- Consulted with clients to identify and resolve technical issues.
- Conducted research on potential of technologies, platforms and tools including Facebook Pixel, Keyword Hero, and Google services to solve client challenges.
- Oversaw development and growth of intern by providing guidance and support to ensure high-quality work that met organizational expectations.

Technologies Used: *React.js, Flow, Node.js, Express.js, HTML, CSS, SASS, Webpack, Babel, Jest, GitHub, Gitlab, MongoDB Atlas, MongoDB Compass, Visual Studio Code, Ubuntu, Docker, Docker Compose, Stripe, AWS EC2, AWS ECR, AWS ECS, AWS S3, Google APIs, MailChimp, SendGrid, Intercom*

INTERNSHIPS

CODE ENGINE STUDIO, Da Nang, Vietnam • 2019
Software development company.

Intern: Played key role on professional team in developing enterprise applications, developing and strengthening technical skills and developing in-depth expertise in various emerging technologies.

- Developed web applications using React.js and implemented complex features utilizing MongoDB as database.
- Worked both independently and collaboratively with diverse technical and cross-functional team members, consistently delivering high-quality work.

GAMELOFT DA NANG, Da Nang, Vietnam • 2018
Game development company.

Intern: Contributed to game project development, collaborating with team members to understand design requirements. Implemented game features using programming skills.

- Tested and debugged game to ensure high-quality standards for performance and functionality.
- Committed to delivering high-quality work and meeting team and organizational expectations.

ACADEMIC PROJECTS

Personal Portfolio (MIU, 2023): Developed fully responsive personal portfolio website with React.js and Next.js. Used Amazon AWS for hosting.

- **Technologies Used:** *Next.js, React.js, AWS ECS, AWS ECR, AWS S3, AWS CloudFront, AWS Load Balancer, AWS CloudFormation, AWS Lambda, DynamoDB, AWS Cognito, GitHub Action, Docker, JavaScript, Tailwind CSS*

Movie Rating Portal (MIU, 2022): Developed website allowing users to create, rate, and comment on movies and television shows, as well as create and share favorites lists.

- **Technologies Used:** *Java, Spring Boot Framework, Postgres, KeyCloak, Docker, Docker Compose, Kubernetes, GitHub, Kafka, RabbitMQ*

The Revolution of Electric Vehicles (MIU, 2022): Performed data analysis and visualization of electric vehicle charging stations in United States.

- **Technologies Used:** *Java, Hadoop, Hive, SparkQL, Spark Stream, Tableau, GitHub, Kafka, RabbitMQ*

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion April 2025)

Maharishi International University – Fairfield, Iowa

Select Courses: *Modern Programming, Web Application Programming, Enterprise Architecture, Big Data Technology, Cloud Computing*

Bachelor of Information Technology

University of Da Nang, Da Nang, Vietnam