

BAO BUI

Fairfield, Iowa 52556 • +1-641-233-0823 • bhtb1999@gmail.com
<https://www.linkedin.com/in/bhtb/>

FULL STACK SOFTWARE ENGINEER

Experienced Full-Stack Software Engineer with over 4 years of proven expertise in building and maintaining web and mobile applications, particularly in the finance sector, ERP systems, and content management systems. Specialized in frontend development with JavaScript, TypeScript, and ReactJS, and proficient in backend technologies such as Node.js. Skilled in delivering scalable, user-centric solutions across the full development lifecycle, and thriving in fast-paced, deadline-driven environments. Strong collaborator with cross-functional teams, with a track record of translating business requirements into effective technical solutions.

- Full-Stack Development • Frontend Development • Backend Development • CMS & ERP Systems
- Agile Methodologies • Problem Solving • User Experience & User Interface (UX/UI) • State Management

Languages: JavaScript, TypeScript

Web: HTML, CSS, Material UI, Tailwind CSS, ReactJS, React Native

Web Services: REST API

Frameworks: Node.js, Next.js, ExpressJS

Databases: MySQL, PostgreSQL, MongoDB

Design Patterns: Singleton

SDLC: Agile, Scrum

Tools: Redux, Visual Studio Code, GitHub, JIRA, Slack, Material UI, GSAP, React Query, React Hook Form, ShadCN UI, Ant Design

Platforms: Windows, macOS

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).

PROFESSIONAL EXPERIENCE

FINANTAGED, Ho Chi Minh, Vietnam • 10/2023 – 01/2025

A dynamic financial services company committed to empowering individuals on their journey toward financial independence.

Fullstack Developer

Built Web Applications and Trading Bot System.

- Developed and implemented various mini-apps to enhance customer engagement using React and Next.js, increasing user acquisition and boosting overall customer retention by 18% in the first quarter.
- Developed and integrated automated trading bot systems in MQL4 for the MetaTrader platform, aligning with provided trading strategies and connecting bots to company's ecosystem using Next.js, Express, and Sequelize.
- Designed and developed custom WordPress themes and plugins tailored to client requirements, ensuring unique functionality and branding alignment.
- Implemented advanced caching mechanisms using Redis and optimized query handling, decreasing API response times by 150% and significantly reducing database load.
- Implemented scalable front-end and back-end solutions by diagnosing and resolving performance bottlenecks, working closely with cross-functional teams to enhance system efficiency.

Technologies Used: ReactJS, JavaScript, Typescript, NextJS, Sequelize, Redis, Material UI, MQL4, HTML, CSS, Git, TailwindCSS, Axios, GSAP, React Query, React Hook Form, Redux.

ITBEE SOLUTIONS, Ho Chi Minh, Vietnam • 08/2021 – 09/2023

A provider of various system development services to support different platforms such as Web, Apps (iOS and Android), Social network, ERP, Logistics, E-commerce, and Blockchain.

Frontend Developer

Built Web Applications.

- Developed growth-focused features and formulated an agile UI/UX completion plan for the main web platform using ReactJS, HTML5, CSS3, and JavaScript, boosting customer satisfaction by 40%.

- Optimized existing web applications by identifying and resolving performance bottlenecks using Chrome DevTools and best coding practices, reducing page load times by 25%.
- Built dynamic, mobile-responsive user interfaces for multiple projects with ReactJS, HTML5, CSS3, and JavaScript, enhancing cross-device compatibility by 35%.
- Implemented pixel-perfect web interfaces for client projects using HTML, CSS, and JavaScript, ensuring compliance with design guidelines and accessibility standards.
- Collaborated with cross-functional teams to integrate functional, user-centric designs, applying UI/UX best practices for optimal usability.
- Resolved technical issues related to website functionality and design, and engaged in ongoing training programs to strengthen front-end development expertise.

Technologies Used: *HTML, CSS, JavaScript, TypeScript, Git, ReactJS, TailwindCSS, Axios, GSAP, React Query, React Hook Form, Redux.*

INTERNSHIP EXPERIENCE

Eduflow, Ballia, India (Remote) • 09/2020 – 12/2020

A versatile learning platform offering a comprehensive Learning Management System (LMS) to manage and track employee training.

Frontend Developer

Built Web Application.

- Developed UI screen on both mobile, website applications based on Figma's design.
- Implemented CRUD (create, read, update, delete) function for the app with Redux.
- Cooperated with design teams and founders to finalize product's UI/UX and corresponding CTA.

Technologies Used: *HTML, CSS, Javascript, ReactJS, React Native, Git.*

ACADEMIC PROJECTS

Maharishi International University (2025)

- **RateMe:** Built a full-stack Product Review & Rating Platform with React + TypeScript (frontend) and Express.js + TypeScript (backend). Implemented RESTful APIs with validation, error handling, and JSON-based persistence via Node's fs module. Developed a responsive TailwindCSS UI with Context API for state management, optimizing performance using React.memo, useMemo, and useCallback for fast loads, smooth filtering, and intuitive user experience.
 - **InterviewMe:** Developed a web platform that generates personalized mock interview questions based on users' job roles, responsibilities, and technologies. Built with Angular, Express, MongoDB, TailwindCSS, Material UI, and integrated Google Gemini for tailored question generation.
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PERSONAL PROJECTS

Personal Nutritionist 2021: Built a cross-platform mobile application with React Native, Node.js, Express, and MongoDB to deliver personalized meal plans, BMI/BMR calculations, and detailed nutrition insights. Integrated a recipe database with nutrient tracking and healthy eating strategies, ensuring smooth data handling and a responsive, user-friendly experience.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 10/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: *Algorithms, Enterprise Architecture, Modern Web Application, Web Application Programming*

Bachelor of Science in Computer Science

University of the West of England, Bristol, Southwest England (10/2021)