HUNTER ZHOU

FULL-STACK DEVELOPER | WEB DEVELOPER

CONTACT

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SKILLS

Frontend

- HTML5, CSS3, SASS, LESS
- JavaScript(ES6+), TypeScript
- React, Vue, JQuery, Next.js
- Ant Design, Tailwind CSS
- WordPress

Backend

- C#, Node.JS, Python, Java, PHP
- Express, ASP.NET, SpringBoot
- RESTful API, GraphQL

Databases

- SQL Server, MySQL, PostgreSQL, SQLite, Oracle
- MongoDB, Redis
- Prisma, Entity Framework, Sequelize, Hibernate, Mongoose

PROFILE

I am a skilled full-stack developer with over 2 years of experience in the water treatment and IoT industries. I excel in using frontend frameworks like ReactJS and backend technologies such as Node.js and .NET Core. My expertise lies in quickly developing systems to meet business needs, identifying and resolving system issues efficiently, and collaborating effectively with stakeholders to optimize code, improve database structures, and enhance user workflows. Passionate about modern technologies, I am dedicated to continuous learning and successful project implementation.

EXPERIENCE

AQUARIUS TECHNOLOGIES PTY LTD   Web Developer | July 2022 - Present

- **AquaReporter**

  - ➢ Enabled remote monitoring and real-time adjustments of controllers via web connectivity (Modem, Wi-Fi, or Ethernet).
  - ➢ Facilitated multiple user access levels for diverse user needs and permissions.
  - ➢ Provided a user-friendly interface to effortlessly view controller readings and settings.
  - ➢ Offered detailed parameter graphs to track up to a year's worth of previous readings for comprehensive data analysis and trend identification.
  - ➢ Ensured prompt awareness of deviations from set parameters through individual parameter alarms delivered via SMS and email, enhancing operational reliability and risk mitigation.
  - ➢ Utilized React to enhance and modify ASP.NET pages in existing projects, thereby improving user interaction experience.
  - ➢ Utilized the ECharts framework to visually represent controller readings and settings, enhancing data visualization.
  - ➢ Utilized .NET Entity Framework to manage SQL Server and MongoDB databases efficiently.
  - ➢ Implemented MQTT protocol to operate controllers and utilized Redis to boost controller read/write speeds.
  - ➢ Optimized user table structure and encrypted user login information using JWT framework.
  - ➢ Enhanced MongoDB document indexing, resulting in query speeds boosted by over 5 times.
  - ➢ Successfully published and deployed projects to IIS servers.

Tools:

- Git, GitHub, GitLab, Bitbucket, Jira, Agile, Trello
- Docker, Kubernetes
- IIS, Nginx, Tomcat

- **CI/CD:** Azure DevOps Pipelines, Vercel, GitHub Action

- **Cloud Services:** Azure VM, AWS S3, AWS Lambda, EC2

Operating Systems:

- Linux(Ubuntu), Windows, Mac OS, Android(Expo Go)

Testing:

- Jest, Postman

EDUCATION

Bachelor

Information Management and Information System

Diploma

Information and Communications Technology

- **AdminPage**

  - Constructed the Dashboard management interface utilizing the Ant Design UI library integrated with ReactJS.
  - Developed backend APIs using Node.js in conjunction with Prisma ORM and Mongoose.
  - Managed code base on the Bitbucket repository and implemented CI/CD pipelines using the Azure DevOps platform to deploy frontend and backend code to Docker containers, facilitating rapid iteration of the program.

- **Aquariustech**

  - Constructed the company's official website using the WordPress theme "The 7".
  - Utilized the WPBakery plug-in to build pages and upload optimized images of company products (Ultima) and accessories.
  - Integrated online chat functionality using the Tawk.to plug-in for customer inquiries and support.

FREELANCE   Web Designer | April 2017 - June 2022

  - Worked with a variety of clients to design and develop custom websites tailored to their specific needs.
  - Created logos, branding materials, and visual assets to enhance the overall look and feel of clients' websites.
  - Used WordPress and Elementor to build and customize websites, ensuring easy content management for clients.
  - Conducted A/B testing and user feedback sessions to refine designs and improve user engagement.
  - Provided ongoing support and maintenance for clients' websites, including updates, troubleshooting, and performance optimization.

INTEGRATED Electronic System Lab C.,Ltd (Based in China)

Senior Software developer |2011-2017

  - Developed a tool for parsing and generating connection diagrams for substation equipment, ensured compliance with the 61850 protocol. This tool could also export data to Excel and CAD files for use by substation designers.
  - Enhanced data visualization and user interaction using advanced C++ (Qt) features, making the interface more intuitive and user-friendly.
  - Implemented real-time monitoring and data upload of substation secondary equipment using SOAP web services, actively sending data to the central data center.
  - Provided training and support to end-users, ensuring smooth adoption and effective use of the software.