Ivy Gregorina Wirsing

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SUMMARY

Full-stack web developer and software engineer with 2+ years of professional experience as a Product Engineer. Developed multiple full-stack web applications (such as an potluck organization app and a neighborhood tool sharing app) with JavaScript, React, Node.js/Express.js, and SQL/NoSQL databases (MySQL/MongoDB). Seeking an opportunity to partner with a company that wants improved user experience and meets user needs through dynamic front-end and back-end web apps.

EDUCATION

Northwestern University   **September 2022 – March 2023**
Full-Stack Web Development Certificate   *Evanston, IL*
Core Coursework: Computer Science Applied to JavaScript, Databases, Server-Side Development (MERN Stack, Template Engines), Browser-Based Technologies, Deployment and Delivery, API Design, Quality Assurance

National University of Singapore   **August 2004 – May 2008**
Bachelor of Engineering, Electrical Engineer   *Singapore*
- Dissertation: 'Fabrication of Resonant Cavity LEDs'
- Recipient of Singapore Full Scholarship Program, Volleyball Player, Theater, IEEE NUS Student Branch officer

PROJECTS

NEIGHBORHOOD GARAGE | Tool Borrowing App | Full-stack Web Application
neighborhood-garage.herokuapp.com
- Developed a tool-borrowing app using JavaScript, Node.js, Express.js, MongoDB databases, and React
- Role: Concept, Backend API (Queries and Mutations), Chat, Front End (Resolvers and Forms)
- Users can create tools, borrow them from others, create shared garages with neighbors/friends with a chat feature, approve borrowing, verify return of tools and with admin privileges modify garages.

FEAST OF FRIENDS | Potluck Organization App| Full-stack Web Application
https://feast-of-friends.herokuapp.com
- Designed and built an online platform for potluck organization.
- Created application using JavaScript, Node.js, Express.js, MySQL2 databases, Sequelize, and Handlebars.js
- Incorporated RESTful back-end server along with MySQL to enable users to create a potluck, join one with or without food and view the food intolerance profile of the group to help with decision making.

SKILLS

Languages: JavaScript • HTML CSS • SQL • Git • GraphQL • Tagalog • Cebuano • German (elementary)
Libraries & Frameworks: Node.js • React • Express.js • Bootstrap • jQuery • Jest (Unit Testing)
Tools: MongoDB • MySQL • Apollo • Visual Studio Code • Heroku • Agile methodologies •GitHub•Hostinger

PROFESSIONAL EXPERIENCE

Avago Technologies (now Broadcom Inc) | Technology Firm   **October 2008 – July 2011**
Product Engineer   *Singapore*
- Managed and tracked production of 10 LED products. Designed and developed more robust LEDs.
- Conducted 8D corrective actions on manufacturing processes to improve yield and reliability of products.
- Provided product engineering support, presentations and reports to internal and external customers.