DL

Daniel Li

Professional Summary

- **6+ years** of experience in **Full Stack Development**, specializing in building, implementing, and testing full-scale UI web applications.
- Experienced **Java** developer proficient in developing backend services using **SpringBoot**. Skilled in utilizing **MySQL** as a database for efficient data management and retrieval.
- Strong experience in Spring Framework modules such as **MVC**, **IOC**, **AOP** and **Spring JDBC**, **Spring Data JPA**, **Spring IO** and **Spring Boot**.
- Experience in using **Java 8** features like **Lambda expression**, **Functional Interfaces**, default methods, **Stream API**.
- Good working knowledge of persisting java objects using **Hibernate** that simplify data storage and retrieval to the underlying database.
- Strong exposure with **J2EE** design patterns like **MVC**, Front Controller, Data Access Object, and Singleton.
- Knowledge on Cloud Computing Service environment like (**AWS**)**Amazon Web Services**.
- Good experience in developing SPA using **HTML5**, **CSS3**, **JavaScript**, **TypeScript**, R **Angular**, and **Angular Material**, across various browsers and thereby achieving cross-browser compatibility.
- Implemented granular control over administrator permissions by utilizing **React-Redux** for user roles and permissions management, ensuring data security and integrity.
- Proficiency in enhancing user authentication and authorization in React applications using **JSON Web Tokens (JWT)** and **OAuth 2.0**, ensuring robust security.
- Experience in developing web backend services to implement data transfer and authentication functionality to the web frontend via **Flask Nodejs**, **Express.js** and **NestJS** service calls.
- Good knowledge in **Waterfall** and **Agile methodologies** of the development process such as requirement analysis & definition, designing, coding, implementation, and testing.
- Hands-on experience in software configuration/change control process and tools like **Git**.
- Strong problem-solving, organizing, communication, and planning skills with the ability to work in a team environment.

Work History

Client: LL Flooring
Remote

✉ danielli00089@gmail.com

📞 (845) 320-2576

🌐 https://daniell00089.github.io/Daniel/

Skills

Programming Languages
- JavaScript, TypeScipt, Python, Java HTML5, CSS/CSS3,

Enterprise & Web Technologies
- React, Angular 2+, Angular Material, Ng-Bootstrap, jQuery.

Backend Technologies
- Flask, SpringBoot, Maven, Hibernate, MyBatis, Tomcat, nodeJS express, NestJS.

Database Server
- MongoDB, Redis, MySQL

IDE
- VS Code, Microsoft Visual Studio, Eclipse, IntelliJ, PyCharm.

Methodologies
- Agile (Scrum), Waterfall.

Others
- Team Foundation Server (TFS), Git, SVN, JIRA, Postman.

Education

Stevens Institute of Technology
Master of Science of Computer Science
Cornell College
Bachelor of Science of Computer Science & Economics and Business

Jan 2021 – Present
Project: Inventory Check System
Description: LL Flooring is a company that specializes in flooring design and installation. Their services include providing raw materials and installation services to customers to help them create their ideal floor plans. The purpose of our project is to create an interactive website with both front-end and back-end functionalities that will allow users to record and manage important parameters, such as floor style and material, in real-time.
Responsibilities:

- Collaborated within an agile team to architect and develop a web console for a leading e-commerce platform using **React, HTML5, CSS3, Java**, and **JavaScript**. Ensured seamless alignment with business goals and priorities.
- Engineered the backend using Spring Framework modules (**IOC, AOP, Security, Boot, Batch**).
- Designed and implemented effective **JSON** and file data transfer processes, optimizing content and image transfer from frontend to **Java SpringBoot** backend, with data storage in **MySQL**.
- Conducted unit testing with Postman for **Java** backend validation.
- Integrated **Maven** for streamlined build management and deployment, syncing with **GitHub** and **Jenkins** Jobs.
- Developed the content visualization page using **React** and **JavaScript**, implementing **React-Redux** for precise administrator control.
- Utilized **React Router** for efficient client-side routing and navigation.
- Enhanced React application security by integrating **JSON Web Tokens (JWT)**, **OAuth 2.0**, and **Local Storage** for robust authentication and authorization.
- Implemented **Flowbite** and **Tailwind CSS** for responsive web design, ensuring a seamless user experience across diverse devices and screen sizes.
- Improved frontend performance through **lazy loading** and bundled image downloads, resulting in a 30% reduction in page load times.
- Utilized **Git** for version control, actively participating in **agile development** processes with monthly sprints and daily scrums, ensuring timely feature delivery.
- Employed Webpack for efficient asset bundling and optimization, contributing to improved loading times and an enhanced user experience.

Client: Fabuwood Cabinetry
New Jersey
May 2020 – Mar 2021
Project: Product Management Website
Description: The project aims to build a website to provide efficient inventory management and data analysis for users. The website's primary feature is an intuitive interface that allows administrators to view and manage inventory quantities after logging in. Additionally, the website provides statistical data and indicators to users, enabling them to analyze and make informed decisions regarding inventory management.
Responsibilities

- Designed wireframes and mockups for the Admin Management Dashboard, enabling administrators to add and manage inventory quantities.
- Contributed to the development of robust **Flask RESTful APIs** for the backend, seamlessly integrated with **MySQL** for efficient database management, utilizing **Flask SQLAlchemy** for **ORM** capabilities.
- Utilized **pip** for **package management** and a **requirements.txt file** for tracking project dependencies, streamlining the development process.

- Implemented **JWT token** authentication in **Flask**, enhancing security by storing tokens in browser **local storage** and attaching them as **HTTP request headers** for seamless communication between the frontend and backend.
- Engineered a microservice backend architecture using **Flask**, with well-defined **routes**, **service layers**, and **data access objects** (DAOs), adhering to the **MVC** pattern to maintain a clear separation of concerns.
- Developed **UI components** and modules for the Dashboard interface using the **Angular 10** framework and **Angular Material,** enabling fast prototyping of custom UI components across the application.
- Conducted unit testing with **PyTest** for the **Flask** application and used **Jasmine** and **Karma** for frontend **unit testing,** along with Protractor for end-to-end testing, to ensure high-quality code.
- Utilized **Git**, **GitHub**, and **GitHub** Actions for workflows, enabling continuous integration and delivery of feature updates and bug fixes to users.
- Leveraged **NgxCharts** for displaying usage statistics and metrics, along with live monitoring of the user base.
- Collaborated with cross-functional teams, including product managers, designers, and developers, to ensure that project milestones were met on time and within budget.
- Conducted code reviews and provided feedback to other developers on the team to ensure code quality and adherence to best practices throughout the project..

Client: HWHB
Iowa(Remote)
Oct 2017 - Dec 2019
Project: Company's Official Website
Description: HWHB is a heating company that provides heating services to customers. To increase their visibility and make information about their services more accessible to potential customers, they have hired us to design an official website for their company. The website we design will showcase the company's services, expertise, and past work, providing valuable information to prospective customers. In addition to serving as a platform for sharing information about the company's services, the website will also enable employees to add company news and other relevant information independently. This will allow the company to keep their customers updated on any new developments.
Responsibilities:

- Led the development and architecture of a web console for a leading **e-commerce** platform using **React, HTML5, CSS3**, and **JavaScript**, collaborating with an **agile** team to ensure alignment with business goals and priorities.
- Developed the frontend of the content visualization page using **React** and **JavaScript**, leveraging the **ContextAPI** to provide granular control over administrator permissions.
- Designed and implemented **JSON** and file data transfer processes to efficiently transfer website content and images from the frontend to the **Express.js** backend, saving data to **MongoDB** for scalable data management.
- Optimized front-end application performance by implementing **lazy loading** and bundling downloaded images, resulting in a 30% reduction in page load times.
- Deployed the web console on **Alibaba Cloud's** server using **Nginx** as a reverse **proxy**, ensuring high availability and uptime for users.
- Utilized **Git** for version control and participated in agile development processes, including monthly sprints, daily scrums, and A/B testing to ensure timely delivery of features and functionality.