DANIEL Y. LEE

New York, NY • 516-306-3995 • daniel.younghwan.lee@gmail.com
LinkedIn: http://linkedin.com/in/daniel-younghwan-lee/
Portfolio: https://randiferous.github.io/my-portfolio/

SUMMARY

Full-stack software engineer seeking an opportunity to contribute to the development of high-quality products and become a valuable team member. Enjoys gaining new technical knowledge and writing code. Recognized for a dependable work ethic, quick learning ability, and growth mentality. Able to work effectively both in a collaborative or independent setting.

EXPERIENCE

Software Developer   **Nov 2022 – Pres**
Invene, healthcare tech company

Playground Boss

As part of a 3-man team, built the frontend and backend logic for an internal-facing product and sales management application that facilitates the business operations of the client, a $30 million US company in the recreational equipment industry. This project had an 8-week deadline that was successfully met, along with a second phase for additional features and maintenance.

- Worked directly with the Team Lead on a daily basis to discuss prioritizes and monitor task progress; communicated frequently with UI/UX designer to ensure drafts adhered to business requirements of the client
- Tech stack: React frontend, Node.js server, PostgreSQL database, AWS cloud services, and GitHub version control
- Met with C-level executives of the client on a weekly basis to provide technical updates and conduct application demos
- Major completed assignments include building routes and components for a project-management tool, integrating third-party APIs such as Quickbooks and Google Calendar, and implementing an application-wide interface redesign
- Used AWS resources such as S3 for storage, Cognito for user management, and CodePipeline for deployment; transferred images to-and-from S3 and connected user data in Cognito with the application frontend
- Implemented automated cron jobs maintained PostgreSQL tables, and ensured data persistence across pages
- Submitted over 120 approved pull requests and regularly reviewed the functionality of code submissions by others
- Implemented error handling systems, such as an error boundary for connection and authentication issues as well as an automated email alert whenever a third-party bug occurs in production
- Notable frontend components that were created include: a table that displays invoices pulled from Quickbooks, a widget that allows the client to email its customers, and an access log of the change history for any internal project
- Noteworthy bug fixes include modifying the backend due to a HubSpot API update and troubleshooting the shortfalls of an npm package where PDFs were erroneously generated; both bugs were caught in production and fixed expeditiously
- During a 2-week period when the Team Lead was on leave, took over as the main liaison between the client and internal management and handled all additional technical responsibilities, such as providing root cause analyses for any bugs
- Habitually inspected application and codebase to search for unreported bugs and clean-up unnecessary lines of code
- Put together a 28-page documentation covering all routes and utility functions in the backend of the project

FinThrive

Part of a team of 10 developers tasked with maintaining the legacy backend codebase of an EDI software platform. This was a staff augmentation project for a client company. Worked with a customer-facing application used by over 30 hospitals to store patient health information (PHI) to assist thousands of medical professionals in their daily operations.

- Main responsibility was to address technical issues submitted by hospitals through a ticketing system
- Ticket resolution process ranged from debugging a rule-based alert system to updating PHI databases; often involved refactoring code to make it more readable, testing code to ensure proper behavior, or interpreting code to clients
- Resolved 180 tickets within a 5-month span, including one that required finding and fixing bugs that caused over 2.5 million account errors in the database of a hospital after a software migration
- Wrote, edited, or deleted approximately 3,000 lines of code; used VBScript to create or update 250 rules in production and T-SQL to navigate or maintain databases with millions of patient accounts and modify stored procedures
- Participated in daily stand-up meetings and utilized JIRA software to keep track of ticket progression
- Met with client representatives and medical field application users on a weekly or "as-needed" basis to discuss elevated issues; effectively communicated with non-technical personnel about solutions that can be implemented in code
- Contributed to lowering the number of backlog tickets by 40% within 2 months of joining the team, including several tickets that had been outstanding for more than 5 months before my tenure

3DR

Joined a 5-person team tasked with building an order entry system for one of the leading medical image post-processing labs in the country. This is a customer-facing application whose purpose was to streamline operations and increase revenue by digitizing a process normally conducted by traditional methods. The application was completed ahead of its 16-week deadline.

- Utilized a Blazor/.NET tech stack with Azure and a HIPAA-compliant MySQL database; built with C# and Syncfusion
- Main responsibility was styling the frontend, relying heavily on CSS and frequent communication with the UI/UX designer
- Participated in meetings with the tech team and leadership group of the client three times per week
- Submitted more than 25 pull requests or code changes that were approved and merged with the production codebase
- Styled order confirmation emails that are received by customers and the technical support staff of the client, ensuring that the message maintains a consistent appearance between different versions of Microsoft Outlook
- Refactored the entire codebase to remove more than 130 warning messages from the compiler
- Proactively found and fixed bugs in the staging environment and completed modification requests made by the client during the beta testing phase, including making the application responsive

Teaching Assistant, Web Development   **Sept 2022 – July 2023**
2U, digital education provider

Served as a TA for web development programs, including the UK Skills for Life Bootcamp and edX Full-Stack Coding Bootcamp. Troubleshoot coding errors, led activities, and provided resources, instructing over 400 adult learners across 9 universities.

- Skills taught include React, JavaScript, CSS/Bootstrap, HTML, Git, Node/Express, MongoDB, MySQL, and OOP

PROJECTS

My NHL App | github.com/randiferous/stats-app | main.d35ntjugpu1957.amplifyapp.com/   **Oct 2023**

React application that provides real-time information about the National Hockey League and its teams.

- User authentication is managed with AWS Cognito, deployment is set up through AWS Amplify and storage is set up with a DynamoDB database; the transfer of data between the frontend and backend is handled by GraphQL routes

Restaurateur | github.com/randiferous/restaurateur.git | intense-ravine-89236.herokuapp.com/   **Sept 2022**

Guided a 5-person team to develop and deploy a MERN-stack single-page application for entrepreneurs who want to start a restaurant in NYC. Conducted daily standups, oversaw version control and task management to ensure on-time deployment.

- Set up file structure and wrote the entire backend, which utilized Node, Express, and MongoDB; connected the backend server with the React frontend using GraphQL routes and set up user authentication with JWT

Healthcare Hero | github.com/randiferous/healthcare-hero   **July 2022**

Directed a 5-member team to deliver a Node, Express, and MySQL based healthcare forum application within a 2-week sprint, crafting an MVP using the MVC paradigm with user authentication. Handled debugging and resolved connection issues.

COVID-19 Tracker | github.com/randiferous/group-covid-project | randiferous.github.io/group-covid-project/   **May 2022**

Led a frontend development project using HTML, CSS, and JavaScript to provide real-time COVID-19 data. Responsible for streamlining workflow, enhancing user experience, quality testing, deployment process, and API routing.

SKILLS

.NET Framework | Agile Methodologies | Amazon Web Services | Authentication | Blazor | C# | CSS | Debugging | Express | Frontend Development | Git | GraphQL | HTML | JavaScript | jQuery | Microsoft Azure | Machine Learning | MongoDB | MySQL | Node.js | NoSQL | OOP | PostgreSQL | React.js | Responsive Web Design | REST APIs | Syncfusion | Transact-SQL | VBScript

EDUCATION

Amazon Web Services   **July 2023**
Certified Cloud Practitioner

Microsoft Azure   **May 2023**
AI Fundamentals, Azure Fundamentals

Columbia University, Engineering Boot Camps   **Sept 2022**
Full-Stack Web Development Certificate   *GPA: 4.0*

24-week intensive program covering HTML, CSS, JavaScript, jQuery, Node.js, MySQL, MongoDB, and React

New York University, College of Arts and Science   **May 2014**
Bachelor of Arts in Economics - Magna cum Laude   *GPA: 3.8*