

DANIEL Y. LEE

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LinkedIn: <http://linkedin.com/in/daniel-younghwan-lee/>

Portfolio: <https://randiferous.github.io/my-portfolio/>

SUMMARY

Full-stack software engineer with extensive experience in developing scalable web applications and driving the full development lifecycle. Proven ability to leverage modern technologies and frameworks to solve complex problems and improve efficiency. Recognized for exceptional teamwork, rapid learning ability, and a strong commitment to delivering high-quality products.

EXPERIENCE

Software Developer

Nov 2022 – Pres

Invene, healthcare tech company

Playground Boss

Played a pivotal role in a 3-person team that successfully delivered a comprehensive product and sales management application for a \$30M recreational equipment company within an 8-week deadline. Led the project through a second phase of feature additions and maintenance, significantly enhancing client business operations and improving profit margins.

- Led weekly technical updates and application demos for C-level client executives, enhancing project transparency
- Temporarily assumed Team Lead responsibilities, effectively managing client communications and problem resolution
- Contributed to over 150 approved pull requests, underscoring high productivity and adherence to code quality standards, while actively participating in peer reviews to ensure best practices
- Conceptualized and developed more than 40 key frontend components and features, including an invoicing table, customer email widget, project access log, and automated reporting, enriching the application's feature set
- Resolved a severe production database bug, preventing a significant loss of \$100,000 worth of purchase orders
- Demonstrated exceptional problem-solving skills by identifying and fixing over 100 bugs, including HubSpot API compatibility, PDF generation and load time issues, significantly enhancing product quality
- Implemented a freight cost recalculation feature, resulting in substantial monthly savings of 20% for the client
- Developed a Python and Jupyter Notebooks-based proof-of-concept for data analyses of client ad campaigns, showcasing technical versatility and demonstrating innovation and technical prowess
- Utilized Python and Flask to create a real-time sales call analysis feature that provides sentiment score and integrates with OpenAI API to scans call transcriptions and provide feedback based on custom prompts
- Spearheaded the integration of Quickbooks, CallRail, and Google Calendar APIs, contributing to significant functionality improvements and allowing the business to use the application as a central hub for information and communication
- Directed an application-wide interface redesign, ensuring seamless user experience and adherence to specifications
- Implemented a version checker that informed users when their application is outdated and how to update it
- Managed AWS resources including S3, Cognito, and CodePipeline to enhance storage, user management, and deployment processes, and implemented connectivity to these services with the application
- Automated data maintenance and persistence tasks using cron jobs, optimizing system efficiency and reliability
- Integrated Sentry.io for enhanced feedback collection and application monitoring, streamlining client communication
- Collaborated closely with the Team Lead and UI/UX designer to align project management tool developments with client business requirements, utilizing React, Node.js, PostgreSQL, AWS, and GitHub
- Created comprehensive documentation covering backend routes and onboarding processes
- Actively contributed to daily stand-ups and sprint planning, ensuring team alignment and project momentum

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

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

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

Isles Hockey | <https://github.com/randiferous/sports-app> | <https://main.d3qkckjntengrs.amplifyapp.com/>

Oct 2023

Created a React application hosted on AWS that provides real-time information about the New York Islanders professional hockey team. Utilized various AWS products such as Amplify and DynamoDB to streamline deployment and storage.

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 restaurant entrepreneurs. Conducted daily standups, allocated responsibilities, and wrote the entire backend, including GraphQL routes and user authentication

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 | Flask | Full-Stack Development | Git | GraphQL | JavaScript | jQuery | Jupyter | Microsoft Azure | Machine Learning | MongoDB | MySQL | Node.js | NoSQL | OOP | PostgreSQL | Python | React.js | Responsive Web Design | REST APIs | Syncfusion | Transact-SQL

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