Jay J. Lee

Seattle, WA | 253-355-6520 | leejayjong@gmail.com | LinkedIn | GitHub | Portfolio

FULLSTACK DEVELOPER

Creative Fullstack Developer with a flair for innovative solutions and proficiency in agile methodologies, JavaScript, HTML, and CSS. Skilled in enhancing system performance and security, adept at using GitHub for effective code management, and recognized for a collaborative approach to innovative project development.

TECHNICAL & INTERPERSONAL SKILLS

Languages: JavaScript, HTML, CSS, EJS
Libraries and Frameworks: React.js, Next.js, Express.js, Node.js, Material UI, Bootstrap, Bulma
Databases and other: MongoDB, Mongoose, PostgreSQL, RESTful APIs, GIT, JSON, Agile Methodology, CI/CD
Interpersonal skills: Effective Communication, Problem Solving, Adaptability, Reliable, Leadership, Flexible

TECHNICAL PROJECTS

Flight Test Weather Dashboard - GitHub | App - Next.js | JavaScript | HTML | CSS | MongoDB | RESTful API
Aviation weather dashboard for critical test flight data analysis and operational decision support.
- Developed a comprehensive Flight Test Weather Dashboard to facilitate critical decision-making in aviation testing environments through real-time weather and air quality data analysis.
- Devised an intuitive go-no-go status system that assesses flight readiness by evaluating current conditions against flight test card parameters.
- Enabled streamlined environmental monitoring by integrating live data feeds from WeatherAPI.com and Open-Meteo.com for accurate weather forecasting and AQI tracking.

TCPC Homepage - GitHub | App - JavaScript | Next.js | HTML | CSS | MongoDB
A church web application for dynamic content delivery and member interaction.
- Developed a full-featured web application utilizing the MERN stack to centralize and streamline church service information and updates.
- Engineered a dynamic content delivery system, allowing for real-time updates of sermons, announcements, and church activities.
- Constructed a dedicated admin interface for comprehensive CRUD (Create, Read, Update, Delete) operations, streamlining content management and site administration.

Tim-agotchi - GitHub | App - JavaScript | Next.js | HTML | CSS | MongoDB
Engaging Tamagotchi-inspired web application to raise and nurture virtual animals.
- Implemented dynamic and responsive user interfaces using Next components, ensuring an intuitive and visually appealing experience for user interacting with their virtual pets.
- Utilized MongoDB to store and manage the state and attributes of virtual animals, such as hunger, happiness, and health, enabling users to monitor and care for their digital companions.
- Integrated user authentication and session management to allow multiple users to create and interact with their personalized virtual pets within the web app.

World Travel Guide - GitHub | App - JavaScript | HTML | CSS | EJS | PostgreSQL
Full-stack travel guide app with interactive user experiences
- Engineered comprehensive world travel guide, focusing on full-stack design and development, enhancing user accessibility to global information.
- Utilized PostgreSQL, Sequelize, Express, and Node.js to construct robust full-stack application, capable of performing CRUD operations while efficiently managing all RESTful API interaction.
- Incorporated Auth0 framework in Oauth integration, ensuring robust and secure user authentication and authorization processes.

EXPERIENCE

Clearviction, Frontend Developer (Volunteer)   *Seattle, WA, 01/2024 - Present*
- Design and implement user-facing features for web applications, focusing on creating intuitive and user-centric interfaces.
- Develop responsive layouts that ensure optimal user experience across various devices and screen sizes.

- Employ JavaScript, HTML, CSS, Next.js, and Material UI to construct dynamic user interface components.
- Ensure consistent application performance across different web browsers and platforms, aiming for seamless cross-compatibility.
- Collaborate with cross-functional teams to address user feedback and continuously improve the application's functionality and design.

Amazon Prime Air, Lead Drone Maintenance Technician   *Seattle, WA, 09/2019 - Present*
- Led a 6-person Drone Maintenance Team, managing operations for over 25 aircrafts, bridging communication between technicians and engineers, and directing airworthiness compliance efforts.
- Proficiently utilized Linux for four years in daily software deployment, system safety assessments, and diverse troubleshooting.
- Expedited system issue escalations, optimizing aircraft availability and minimizing downtime.
- Championed training and upskilling of 10+ Drone Maintenance Technicians.
- Collaborated seamlessly with software and hardware developers to diagnose and resolve issues, adeptly managed upgrades, and ensured smooth operational continuity.

Textron Systems, Site Lead | Flight Crew | UAS Maintenance Tech   *Afghanistan, 09/2017 – 09/2019*
- Managed day-to-day flight crew operations, including launch and recovery of air vehicles, and conducted pre-flight risk assessments.
- Oversaw maintenance, mission readiness, and operational inspections of unmanned aerial systems and support equipment.
- Coordinated with Flight Operations Management for mission data reporting and ensured compliance with operational standards.

EDUCATION

General Assembly   *Remote, Certificate Completed: 08/2023*
Completed 480 hours in full-stack software engineering, specializing in JavaScript, HTML/CSS, and database management with PostgreSQL and MongoDB. Skilled in agile development and debugging for optimal user experiences.

Cochise College, Associate of Science, UAV Flight Operator   *Sierra Vista, AZ, Graduated: 06/2013*

CERTIFICATION/PROFESSIONAL DEVELOPMENT

Career Essentials in GitHub Professional Certificate, LinkedIn Learning	Completed: 12/2023
React: Server-Side Rendering, LinkedIn Learning	Completed: 12/2023
JavaScript Essential Training, LinkedIn Learning	*Completed: 08/2023*
Learning Next.js, LinkedIn Learning	*Completed: 07/2023*
Node.js Essential Training, LinkedIn Learning	*Completed: 04/2023*
Python vs. JavaScript for Development, LinkedIn Learning	*Completed: 04/2023*
Python Essential Training (2022), LinkedIn Learning	*Completed: 01/2023*