KEVIN VAN

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SKILLS/QUALIFICATIONS

Technical: Python • Java • C# • JavaScript • Dart • Cloud Computing • CI/CD • Unit Testing • OOP/OOD • Frontend • Backend • Full-Stack • Distributed Systems • SQL •NoSQL • BPMS (UML, Bizagi, Visio) • Pandas • MongoDB • Firebase • AWS • REST API • SDLC (Agile, Waterfall) • Scrum • Kanban • Git • Node • Express • React • jQuery • Bootstrap •.Net • Flutter • Systems Testing • Code/Bug Documentation • CSS • Scikit-learn

Non-Technical: Project Management • Microsoft Office • Team Building • Time Management • Interpersonal Communication • Decision-Making • Data Analysis • Training and Development

Languages: English – Fluent • Vietnamese – Fluent • Japanese – Intermediate

EDUCATION AND TRAINING

Master of Science in Computer Science • Northeastern University, Seattle WA • **Diploma:** Aug 2023

MASTERS PROJECTS

Software Engineer and Project Lead, Husky Express Carpool Application • *1/2023 – 5/2023*
- Constructed a carpool mobile application for the university that safely transports upwards of 1,200 students to and from campus, daily.
- Led a team of designers and developers using Agile SDLC techniques, S.M.A.R.T. goals, and Gantt charts, reducing the first MVP by 2-weeks and project completion by 1-week.
- Documented code, processes, and data to consistently meet software requirements, specifications, and MVP deadlines.
- Troubleshoot and automated code system and unit testing, maintaining testing coverage of 91%.
- Integrated community feedback, concerns, and comments by conducting 3 rounds of user studies and wireframe demos with a Continuous Integration/Deployment Pipeline for application iterations.
- Implemented application using the latest technologies from Google Development Platform resources of Firebase Database, Authentication, and Flutter.

Software Engineer Lead, Template Restaurant Website • *11/2022 – 12/2022*
- Constructed a versatile full-stack restaurant website template with REST API and online ordering using JavaScript, React, Express.js, Node.js, and MongoDB.
- Led a team of developers and designers using Agile SDLC techniques and scrum to complete a full-stack application within a short 2-week deadline with 3 different iterations report documents.
- Created BPMS diagrams to represent client-product interactions, bug report documentation, and collaboration/developer responsibilities cutting downtime due to bottlenecks by 25%.
- Used Insomnia and Postman to conduct API query tests, and unit testing for application maintaining a total testing coverage of 83%.
- Conducted systems testing to ensure consistency between backend and frontend components and the API.

Data Scientist, Dog Aggression Analysis • *9/2022 – 12/2022*
- Compiled and analyzed data surrounding dog breeds and aggression by comparing over 200 AKC-recognized dog breeds with over 1 million NYC dog related attacks between 2017-2020.
- Used Scikit-learn, Pandas, and SQL queries to extensively and automatically clean, extract, and present data to dozens of stakeholders, resulting in a 24% increase in data refinement quality.
- Documented models in a Jupyter Notebook, providing clarity and transparency for future iterations.

WORK EXPERIENCE

Full-Stack Web Developer • *We* ❤️ *Renton, Renton, WA* • *8/2023 - present*

- Constructed a responsive using JavaScript, CSS, and HTML5, ensuring reliability and compatibility with various devices, systems, and browsers.
- Implemented interactive user interfaces using the React framework enhancing user engagement, experience, and comfort.
- Utilized RESTful APIs to connect web applications with external services and technologies, improving functionality and data flow.
- Created detailed architecture diagrams, workflow charts, and system requirement documentation to ensure the needs of the organization are met, facilitating understanding and interest between the public and company's vision.

Computer Science Tutor • *Freelance Job, Seattle, WA* • *8/2023 - present*

- Mentored novice learners in mastering Python foundations and delving into advanced concepts of data structures.
- Introduced and elaborated on fundamental principles encompassing data structures, algorithms, and the paradigm of object-oriented programming.
- Conducted research and training to improve current skillset and provide students with the most relevant, efficient, and up-to-date coding techniques and frameworks.
- Offered comprehensive assistance to students in meticulously reviewing and proficiently troubleshooting their programs, ensuring readiness for their final presentations and projects.

Production Manager (Stage- Live Theater)

- • *YTC, St. Paul, MN* • *2017*
- • *Seattle Musical Theater, Seattle, WA* • *2018*
- • *Play Your* Part, Seattle, WA* • *2018-2020*
- • *Freelance Consultant, Seattle, WA* • *2020-2022*

- Liaised among the cast, creative team, and design team to devise, execute, and adhere to production schedules and deadlines.
- Organized, led, and mediated rehearsals and production meetings.
- Recorded exact stage direction notes for real-time technical transitions to maintain production consistency.
- Fostered trust and built rapport with the cast, creating a safe environment for open expression of concerns and any challenges they encountered.