JEFFREY GANULIN

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Self-motivated, thorough, and creative problem solver looking to bring value to companies and society through passionate web, software, and open-source development backed by a desire for continuous learning, growth, and optimizationA.

EDUCATION

DECEMBER 2023

M.S. SOFTWARE ENGINEERING, KENNESAW STATE UNIVERSITY

- Achieved 4.0 Graduate GPA; Awarded Dean's 4.0 GPA List
- Excelled in courses on software architecture, requirements engineering, and Agile methodologies, as well as Web Services engineering, software project planning and management, software testing, and object-oriented design patterns.
- Performed research in areas such as AI, software testing, software project management, and Agile methodologies.

JULY 2020

B.S. INFORMATION TECHNOLOGY, KENNESAW STATE UNIVERSITY

- Concentration in Web and Mobile Systems
- Awarded President's List (4.0 GPA) in 2017.
- Coursework included topics such as Project Management, Database Systems, Responsive & Mobile Web Development.
- Functioned as an informal tutor and peer mentor to help solidify course understanding for classmates.

EXPERIENCE

AUGUST 2019 – FEBURARY 2022

FULL-STACK WEB DEVELOPER & IT CONSULTANT, THE ENTRYWAY SURGEON

- Planned, designed, and developed a website (theirondoorspecialist.com) with photo galleries and user feedback capabilities, as well as administration functions, based on PHP and Laravel 9, boosting audience reach by 100%.
- Engineered image processing programs with Python and C# to streamline content management processes by 100%.
- Incorporated SEO across the website, boosting audience and engagement
- Maintained the website to handle upgrades, content changes, and feature requests.
- Established online presence for the company across platforms such as Google My Business, further boosting the company's online visibility and engagement metrics, tracked with Google Analytics.

DECEMBER 2023

FULL-STACK SOFTWARE ENGINEER, VILLAGEHOURS

- Contributed with a team of 6 following Agile and Kanban methodologies to develop a full-stack web application using React, TypeScript, Chakra UI, React Query, Redux, Node.js, Express, and MySQL.
- Performed unit, component, and E2E testing using Jest, React Testing Library, and Cypress E2E suites.
- Implemented CI/CD pipelines using GitHub Actions and Docker to deploy to Microsoft Azure.
- Collaborated with team members using GitHub and Atlassian Trello to manage codebase and resolve merge conflicts.
- Trained and mentored junior members on relevant technologies and development processes.
- Communicated with project stakeholders to refine requirements and present project prototype progress.

SKILLS

- Proficiency with HTML5, CSS3, JavaScript and TypeScript, PHP, Laravel, SQL, as well as MongoDB, Express, React, and Node.js
- Knowledgeable in OOP principles and general-purpose languages such as Java, C#, and Python
- Effective in responsive and mobile web & application design
- Skilled in AI LLM prompt engineering and evaluation
- Knowledgeable in software and hardware configuration and support and documentation
- Precise and thorough attention to detail
- Experience in project management and leadership
- Excellent technical communication skills
- Quick learner and flexible to changing requirements
- Valuable asset in all phases of the software development lifecycle
- Creativity and critical thinking lead to effective problem solving

PROJECTS

- Developed a project management system for Kennesaw State University as part of a capstone course, creating a centralized location for faculty to administrate capstone projects, research opportunities, and contracted consultants collaboratively using full-stack technologies and responsive, accessible web development strategies.

- Created a full-stack web application using MERN technologies called “Kitchen Companion” that allows a user to store and retrieve their cooking and baking recipes and discover new ones via integration with an external API. Additional utilities such as a shopping list and kitchen timers ease users’ cooking and baking adventures.

- Created an application that allows a user to combine two separate images into one side-by-side image using C# on .NET 6 and WinForms and incorporating ImageMagick image processing libraries. Tracked progress and changes over time using Git and GitHub CVS.

- Designed and developed a personal portfolio website to display my skills and experience using HTML5, CSS, TypeScript, React, supporting libraries, and Vite.

- Created a minimalist clone of the card game ‘Yahtzee!’ that runs in the browser using HTML5, CSS3, and vanilla JavaScript. Incorporated responsive design to allow the game to display efficiently on desktop and mobile.

- Created a Python console program that prints an inspirational or motivational quote retrieved from a list of quotes stored on the filesystem with the program. Tracked changes and progress via Git and GitHub CVS.

- Created numerous Python scripts to process images, such as to combine 2 images into a vertical or horizontal collage, another to generate information based on the EXIF data of an image, a script to create optimized resized variants of a set of images to be used in adaptive web development, and one to generate a set of information based on various image properties and serialize it to JSON to be uploaded to a remote database.

- Created an application using .NET 4.6 and WPF that allows a user to find and replace a string of text or regular expression pattern throughout multiple text files with a user-friendly GUI. Successfully upgraded project to .NET 6.0 and integrated modern C# features. Tracked changes and progress on GitHub.

- Created an application that allows a user to send Undo and Redo keypresses to the currently focused application via mouse click or tap, for instances where a keyboard isn’t present or preferred, such as when using a stylus to annotate in a note-taking app on a tablet.