KURT DENZEL R. CALACDAY

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EDUCATION

University of the East - Caloocan — Metro Manila
Bachelor in Science in Information Technology — June 2024
Thesis: Dynamic Pathfinding Optimization on Utilizing A* Algorithm in a Primary School Community

WORK EXPERIENCE

Mid Level Software Engineer - Flexicon Solution Inc. — July 2024 - Present
- Orchestrated scalable interfaces using Vue.js, Nuxt.js, Tailwind, Storybook, Pug.js, Vite, and Node.js.
- Leveraged Cypress to automate UI component testing, enhancing reliability and visual consistency.
- Engineered API consumption, testing, and mocking strategies with TypeScript to streamline integration workflows.

Software Engineer Intern - Stock Knowledge Corp. — Jan 2024 - May 2024
- Led UI/UX improvements using Tailwind, and optimized a React.js / Next.js frontend for faster load times.
- Spearheaded Linux instances on Amazon Lightsail via SSH & engineered scalable serverless architecture on AWS.
- Engineered a chatbot with Retrieval Augmented Generation using Node.js & integrated AWS OCR via TypeScript.

Data Analyst - Nerida CES Taxfirm — Jan 2023 - Dec 2023
- Focused on providing the company with accurate, quality, and relevant data.
- Organized data into spreadsheets using Python and Jupyter Notebook's capabilities.
- Shared data insights with compelling visuals using Jupyter Notebook, Excel, and PowerBI.

SKILLS & INTERESTS

Technical: Javascript / Typescript (Node.js, jQuery, React.js, Next.js, Vue.js / Nuxt.js), CSS (Tailwind, Bootstrap, Sass, Radix UI, Shadcn/ui), PHP (Laravel, Wordpress), Python, C++, C# (ASP.NET), SQL (MySQL, PostgreSQL, MongoDB), Cloud (AWS, Google Cloud Platform, Firebase), AWS Services (Lightsail, Amplify, DynamoDB, SQS, Lambda, Cognito, API Gateway), Linux (Bash Shell Scripting), Docker, Version Control System (Git, Github, BitBucket, GitLab).
Language: English - Fluent; Filipino - Native
Certifications & Training:
Github Foundations - Github (Sponsored), API Security Architect - API Academy, IT for Business Success - HP, Learn Vue.js - Codecademy, Learn JavaScript Course - Codecademy,Introduction to UI and UX Design Course - Codecademy, Foundational C#, freeCodeCamp - Microsoft, AWS Cloud Concepts, DataCamp (Scholarship), NDG: Linux Essentials, The Linux Foundation (Sponsored), Understanding Artificial Intelligence, DataCamp (Scholarship), Imagine Cup Cloud Skills Challenge, Microsoft (Student Ambassadorship, Sponsored), Critical Infrastructure Protection, OPSWAT Academy, Researching Mobile App Interface, Moqups - Coursera Project Network, Embarking with Azure DevOps, Azure Developer Community, Initiating Virtual Private Cloud (VPC), Amazon Web Services (AWS), Scrutinizing Cybersecurity, Oxford Home Study Center OHSC, Crafting with Figma Elements, Figma - Coursera Project Network, Microsoft Azure Fundamentals, Microsoft Learn (Sponsored), Delving Wix Artificial Intelligence, Wix - Coursera Project Network, Constructing Search Engine Optimization (SEO), SquareSpace - Coursera Project Network, CISSP: Information Systems Security Professional, Alison, Introduction to IoT, Mapúa University - Cisco Networking Academy (Sponsored), MinnaLearn: Building AI, University of Helsenki - Grow with Google, Principles of Graphic Designing, University of the Philippines Open University, MinnaLearn: Introduction to AI, University of Helsenki - Grow with Google, Networking Essentials, Mapúa University - Cisco Networking Academy (Sponsored), Implementing a Website with WordPress, Coursera Project Network, Cybersecurity Essentials, Mapúa University - Cisco Networking Academy (Sponsored)
Awards: PH100 - Top 100 Brightest Minds of the Philippines by StellarPH, Best in Paper Recognition in Capstone & Research by True Icon 2024, 2nd Runner-Up, Engineering Exhibit of Student Research Colloquium 2024, Exemplary Performance in Interschool Competition (2023 - 2024), Champion, Programming Wizard of UE LITS (2021 - 2022), Champion, Tekiskolar Quiz Bee of UE LITS (2021 - 2022), Remarkable Representative, DLSU Stack Knowledge Programming Quiz Bee (2021 - 2022), 1st Runner-Up, Programming Wizard of UE LITS (2021 - 2022), 1st Runn er-Up, Quiz Time of UE LITS (2021 - 2022)

PROJECTS

Barcoda - Barcode Generator · Project & Development Lead
- Developed a barcode generator with Next.js, Tailwind, and Shadcn/ui, ensuring scalable architecture.
- Integrated bwip.js and JsBarcode for barcode rendering with extensive customization.
- Enhanced front-end performance and UX with responsive design principles.

PokeNuxt - RESTful API Pokedex · Project & Development Lead
- Fetches Pokémon data asynchronously using Axios, leveraging the RESTful PokeAPI.
- Utilizes Vue.js, Nuxt.js, and Tailwind to create a dynamic and responsive user interface.
- Adopts a modular design approach with reusable components for enhanced maintainability.

VueRegWizard - Dynamic Client-Side Validation · Project & Development Lead
- Integrated vee-validate for robust client-side validation, ensuring data integrity and minimizing errors.
- Architected dynamic registration forms with Vue2, Nuxt 2, and Quasar 1 for a responsive, intuitive UI.
- Applied responsive design principles for a seamless user experience across all devices and screen sizes.

Resume Forge/Generator · Project & Development Lead
- Utilized React.js, Tailwind, and JavaScript with Typescript Linter to create a user-friendly interface.
- Integrated customizable templates and data parsing functionalities for efficient resume generation.
- Implemented user storage imports for secure and personalized resume management.

The CloserAI - AI-Powered PDF Assistant for Legal Studies · · · · · · · · · · Project & Development Lead
- Enhanced usability and integrity with an intuitive interface in a Serverless Next.js project.
- Developed a streamlined pdf chatbot with AWS Cloud Services, Bedrock, Code Commit, and Amplify.

Stock Knowledge Corp. - Quality Assurance Revisions · · · · · · · · · · · · · · · Project & Development Lead
- Established documentation for QA processes, including UI checks on Tailwind-based components.
- Collaborated with development teams to implement best practices for code quality and maintainability.
- Directed rigorous testing protocols to identify in React.js and rectify software bugs and performance bottlenecks.

GDG UEC Campus Organization Website · Project & Development Lead
- Enforced responsive design using Tailwind to ensure accessibility across diverse devices and screen sizes.
- Lead Developer on overseeing the full-stack development utilizing Astro.js for performant, modern web delivery.

Accred E-Certificate Generator · Project & Development Lead
- Developed a streamlined event e-certificate generator for the campus organization events.
- Built with React.js / Next.js, Tailwind, and Firebase for optimized frontend and real-time database.
- Automated certificate issuance process for seamless event management and enhanced attendee satisfaction.

Talaan - Laravel Organization Blog Application · Project & Development Lead
- Integrated authentication and authorization via Laravel to ensure secure access control.
- Implemented robust CRUD functionality to manage blog posts, categories, and user accounts.
- Designed and developed a responsive user interface using Tailwind for optimal viewing across devices.