KURT DENZEL R. CALACDAY

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EDUCATION

University of the East — Metro Manila

Degree: Bachelor in Science in Information Technology — June 2024

Thesis: Dynamic Pathfinding Optimization Utilizing A* Algorithm in a Primary School Community

WORK EXPERIENCE

Mid Level Software Engineer - Flexicon Solution Inc. — July 2024 — Present
- Orchestrated scalable interfaces using Nuxt.js / Vue.js, Next.js / React.js, Tailwind, Pug.js, Vite, and Node.js.
- Engineered API consumption using TypeScript, Postman, and GraphQL for prototyping, testing, and mocking.
- Leveraged Cypress and Storybook to automate UI component testing, boosting reliability and visual consistency.

Software Engineer Intern - Stock Knowledge Corp. — Jan 2024 — May 2024
- Led UI/UX improvements using Tailwind, and optimized a Next.js / React.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
- Ensured accuracy and relevance of SSS, Pag-IBIG, and PhilHealth records for timely and precise reporting.
- Harnessed Python and Jupyter to optimize the processing pipeline for contributions and invoice-related data.
- Utilized Python and Jupyter to automate and structure government contributions data, delivering actionable insights.

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 (EC2, Lightsail, Amplify, DynamoDB, SQS/Simple Queue Service, Lambda, Cognito, API Gateway), Linux (Bash Shell Scripting), Docker, Version Control System (Git, Github, BitBucket, GitLab).

Language: English - Fluent; Filipino - Native

Certifications & Training: Google UX Design Professional - Coursera (Sponsored), Github Foundations - Github (Sponsored), API Security Architect - API Academy, IT for Business Success - HP, Vue.js - Codecademy, 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, Azure DevOps - Azure Developer Community, Virtual Private Cloud (VPC) - Amazon Web Services, Cybersecurity - Oxford Home Study Center, Figma Elements - Figma, Microsoft Azure Fundamentals, Microsoft Learn (Sponsored), Wix Artificial Intelligence, Wix - Coursera Project Network, 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 Runner-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.

PokeNux - RESTful API Pokedex Project & Development Lead
- Fetches Pokémon data asynchronously using Axios, leveraging the RESTful PokeAPI.
- Utilizes Nuxt.js/Vue.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 / React.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.