|  |  |  |
| --- | --- | --- |
| **Meldencio Czarlemagne** Corrales |  | |
| Software Engineer and Architect, DevOps Engineer, Database Manager and Administrator,  IT & IS Manager | 🏠 St. Peter, New Era, Quezon City  📞 (+63) 960 205 6160 📞 (+63) 954 276 9143  📧 mczvc.biomew@gmail.com 📧 mczvc@proton.me  **🌐 https://jk-sanjuan.github.io/mczvc 🌐 https://g.dev/mczvc**  **🌐 https://github.com/mczvc-biomew** | |
|  | |  |
| |  | | --- | | **ABOUT ME** | | Results-driven software developer with extensive experience in both systems and business domain programming languages (C, C++, C#, Java) and (Python, JavaScript, Ruby, Typescript), leveraging expertise and proficiency in wide variety of frameworks for these languages, for example: Python (flask, Django, Pandas, Numpy), Java Spring, Ruby on Rails, Javascript (NextJS, ReactJS, AngularJS, VueJS), C++ (Boost, Qt5, and OpenGL graphics library), delivering high-quality and innovative solutions across multiple platforms.   Strong foundation and solid grasp in algorithms, data-structures, and mathematics, with proficiency in TDD and safety assurance, ensuring code quality and functionality of tested software, in compliance to specifications and use cases of software; applied to, and worked for Distributed, High-performance, and Scientific Computing.   I am experienced in technical and team leadership: As a seasoned technical leader, I excel and bring expertise in software design, leveraging in deployment automation to improve and optimize the CI/CD pipelines; commend testing frameworks to the team; and playing the role of designing and operating mission critical services in a cloud-based architecture — I effectively guide cross-functional teams and drive project and business to success — delivering high-quality and efficient, scalable software solutions.  Polyglot to familiarize programming in 15+ languages, which includes: Bash, Perl, Powershell, Ruby, Clojure, Haskell, Julia, Go, Kotlin, Swift, Lua, Rust, Zig, Assembly, SQL, Typescript.   As a software architect and database manager, I am proficient in designing API, software architecture, and cloud-based services, providing solutions in building effective, efficient, and robust software.   Mastered and practiced clean code principles and Design Patterns for 10+ years; pragmatic, and highly accomplished practitioner of agile methodology such as Scrum, Lean, XP, and crystal.  As a full-stack developer and DevOps engineer with 6+ years of experience, I possess a unique blend of technical expertise, leadership skills, and passion for delivering high-quality software solutions. | | | |  | | --- | | **EDUCATION** | | August 2014 – October 2016  **Bachelor of Science in Computer Science**  New Era University  College of Computer Studies | *New Era, Quezon City* | |
| |  | | --- | | **Programming Languages** | | C, C++, C#, Clojure, Carbon, Go, Java, Kotlin, Python, Lua, Haskell, Julia, HTML5 / XML, CSS3, PHP, JavaScript, Typescript, Rust, Ruby, OCaml, Swift, Zig, Assembly, Bash, Powershell, SQL, Solidity, Vyper | |
| |  | | --- | | **WORK EXPERIENCE** | | (May 2019 – Nov. 2019)  CEO & Founder, Software Engineer and Architect  **Egg. Co. *Creations*** | Quezon City   * Developed the Easy Graphics, Easy Game, and Easy Animation library using Java and OpenGL. * Released two Android games using the library. | | (Dec. 2019 – Present)  Senior Software Engineer and Architect, Full-stack Developer, DevOps Engineer – R&D, Database Administrator, IT & IS Manager, Business Innovator  **DADS University**, **Bayanihan College, Network Careers** | Quezon City   * Built several micro-services and API endpoints for the consumers and producers operating in the open-source, MOOC and value-based Careers platform to implement automated management solutions. * Developed automation tools for document generation. * Created full-stack web applications for the university’s virtual learning environment. * Designed a business model for university-wide learning; a balanced and prosperous ecosystem, for not-for-profit design of business. * Maintained and organized the public and private libraries of colleges: its database, and its distributed access to information, under its IS infrastructure, I have built a managed Library System for Librarians, Students of different departments, Faculty (educators of Business; and, Science, Engineering, and Medicine; and to the Members of Royal Society); frontier in seeding the Foundation’s Academic Resources. * Developed, and maintained business tools used in managerial task; began innovating the solutions for business, work careers, HR workforce, and transformed, with new models of learning environment for a wide audience in a university-wide environment setup. | | | |  | | --- | | **Frameworks and Libraries** | | Django, Flask, VueJS, ReactJS, AngularJS, NextJS, Webpack, ExpressJS, OpenAPI, Polymer, Redis, NodeJS, Deno, Bun, Electron, Bootstrap, TailwindCSS, Bulma, Boost, Rails, Qt5, Kafka, jOOQ, Spring, Rails, Scipy, beautifulsoup4, Kivy, Pandas, Numpy, OpenGL | |
| |  | | --- | | **Tools & Technologies** | | Docker, Kubernetes, Oracle, PostgreSQL, MySQL, MongoDB, GraphQL, Postman, Selenium, Nginx, Git, Apache, Jira, CMake, CLion, IntelliJ, VS Code, Linux, Ansible, Chef, Terraform, IBM Control Desk, Vivantio, Firebase, Elasticsearch, Logstash, Kibana, Salesforce, SAP, Heroku, AWS | |
| |  | | --- | | **Methodologies** | | Pragmatism, ArchOps, Waterfall, SRE: Site Reliability Engineering, DevOps (CI/CD, dynamic testing, Infrastructure as Code, CCA: Continuous Configuration Automation), TPS: Transaction Processing System (Kaizen, Continuous Improvement, OLTP: Online Transaction Processing), Agile (Scrum, Lean, XP, Crystal), Twelve-Factor App (SaaS, PaaS), DevSecOps (DAST, PSS ISE, Security by Design, Security Automation), DataOps | |