

MARK VINCENT A. CUEVA

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EXPERIENCE

Software Engineer Intern | Alliance Software Inc. (Jan 2024 – May 2024)

- Designed and implemented a customer KYC flow for a money exchange app using React and TypeScript
- Built a responsive exchange rate display screen with real-time updates via API integration
- Rebuilt an Azure-based automation pipeline for dashboard data ingestion and transformation
- Developed workflows and scheduled jobs to sync and visualize data for operational dashboards

Junior Software Engineer | Ease Solutions (Jun 2024 – Dec 2024)

- Contributed to a dictionary feature enhancement in a custom Jira plugin
- Optimized tree and node data fetching via Spring APIs for improved performance
- Built Selenium-based test automation for UI validation and regression coverage
- Strengthened understanding of Jira workflows and issue tracking through active sprint participation
- Collaborated effectively within a Scrum team, improving coordination and delivery across sprint cycles
- Participated in backlog grooming and sprint planning to align technical tasks with business priorities

Software Engineer | Softype Inc. (Jan 2025 - Present)

- Built a Jira-integrated time tracking application with real-time worklog synchronization and comprehensive analytics dashboards for resource management
 - Developed a 6-tab reporting system (Worklogs, User Summary, Projects, Resource Management, Analytics, Distribution)
 - Enabled Top Performers tracking, Team Hours analysis, and inactive user monitoring for sprint retrospectives
 - Engineered role-based access control for team leads, with CSV export, billable/non-billable hour categorization, and flexible time summaries
 - Implemented production-ready autocomplete search with keyboard navigation, ARIA accessibility, debounced filtering, and 25+ unit tests
 - Built a high-performance caching layer using Redis-style in-memory storage and optimized batch processing to reduce API calls
 - Tech stack: React, Node.js, Express, Upstash Redis, Jira REST API, Jest
- Developed a comprehensive ferry booking platform for passenger and freight transportation
 - Architected a multi-tenant SaaS system with 70+ tRPC routers handling passenger tickets, freight BOL, and real-time seat allocation
 - Integrated NetSuite ERP via OAuth 1.0 and custom RESTlet APIs to automate sales orders, invoicing, GL entries, and daily reconciliation
 - Built a payment processing system supporting Maya, GCash, and traditional methods with VAT-compliant calculations and audit logging
 - Developed manifest generation and gate operations modules to ensure maritime compliance and streamline boarding workflows
 - Enabled operations team to manage 30+ vessel types across multiple routes, improving booking efficiency and regulatory compliance by 35%
 - Delivered real-time dashboards for vessel capacity, revenue analytics, and route performance
 - Tech stack: T3 Stack (Next.js, TypeScript, tRPC, Prisma), PostgreSQL, Redis, NetSuite APIs, Chart.js
- Strengthened team collaboration through effective Scrum ceremonies and Jira workflow alignment
- Explored prompt engineering and AI integration to enhance internal tooling and reporting workflows

PROJECTS

AskMarked

- Developed a web application enabling anonymous question and answer interactions. Users can generate links and QR codes, while others can anonymously send questions through these links. Additionally, the application allows users to download questions and answers.
- **Tech: React, Python, Flask**

BRAMK (Business Resource Access through Modern Knowledge)

- Bramk is a customer support bot powered by OpenAI GPT, providing not only analytics but also data analysis on business interactions with customers. Frontend developed with TypeScript and Next.js, while the backend is powered by Express. Contributed on mainly on the Data analytics feature and GPT integration research.
- **Tech stack: React, MongoDB, Node js, Express, Langchain**

TRAININGS

Accenture Technology Academy | Backend Development & DevOps Foundations

- Explored Java Spring ecosystem including JUnit, Mockito, Maven, and core Java principles
- Gained hands-on experience with Docker for containerized development and deployment workflows

Zuitt Java Bootcamp | Advanced Backend Engineering

- Built backend systems using Tomcat, Spring Boot, Maven, and Java EE
- Strengthened backend security through JWT-based authentication and access control

Zuitt AWS Bootcamp | Cloud Architecture & Serverless Development

- Developed a strong grasp of AWS services including S3, EC2, Lambda, DynamoDB, and API Gateway
- Delivered a capstone project integrating Lambda, DynamoDB, and API Gateway to build a scalable serverless backend

EDUCATION

College of Technology – University (Bachelor of Science in Information Technology)