Vo Hoan Vu

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SUMMARY

Strong Full-stack software engineer with a background in Computer Science, 5 years of industry experience, and a strong understanding of S.O.L.I.D object-oriented programming principles.

EDUCATION

Computer & Information Science
University of Oregon • Eugene, Oregon USA • 2019

TECHNICAL SKILLS

• **Primary Stack**

- • **Front-End Web:** React, TypeScript, ASP.NET Razor Pages, HTML, CSS, JavaScript, jQuery

- • **Back-End Web:** C#, ASP.NET Core, ASP.NET MVC, Entity Framework Core

- • **Databases:** MS SQL Server, PostgreSQL, MySQL, MongoDB

- • **Unit Testing:** XUnit, Jest.

- • **DevOps/Cloud:** Microsoft Azure (Virtual Machines, App Service, Container Instances), Docker, GitHub Actions, Redis, Kafka

• **Secondary Stack:**

- • **Front-End Web:** React, TypeScript, HTML, CSS, JavaScript

- • **Back-End Web:** NodeJS, Python, NextJs

- • **Mobile:** Flutter, Kotlin with Jetpack Compose, Android Studio

- • **DevOps/Cloud:** Google Cloud Platform (Kubernetes Engine, Cloud Run Service/Functions, Cloud Storage, Pub/Sub), Firebase, Firestore database, Cloud Build, Docker

• **Low-Code Platforms:** Outsystems, Microsoft Dynamics 365 Business Central (AL Programming), Shopify CMS

• **Developer Tools:** LLM, Linux Bash scripting, Visual Studio (Code), Postman, DBeaver, GitHub Copilot

• **System Design methodology:** N-Tier Layer Architecture, Event-Driven, Domain-Driven Design, SOLID, KISS, DRY, REST API, MVVM

• **Web Security:** OAuth 2.0, JWT

PORTFOLIO PROJECTS

JRE Clipper: "What Would Joe Rogan Say?" App
URL: https://whatwouldjoerogansay.com/
- A website that semantically searches across the Joe Rogan Experience podcast episodes for relevant discussions, delivering results via embedded YouTube players with timestamp navigation.
- Premium feature for compilation video generation, fully automated video clips editing workflow.
- Built data inference pipeline that processes and transforms Youtube transcription dataset. Integrated Vertex AI Vector Search database and RAG-based content analysis.

Tech Stack: .NET, Python, Nodejs, Firebase, Cloud Run Functions, Vertex AI Vector Search, Batch data embeddings API, Google Cloud Storage, Pub/Sub Queue.

CodeJitsu: BJJ Martial Art Training Assistant
URL: https://thecodejitsu.com/
- a SaaS platform to enhance Brazilian Jiu-Jitsu training by leveraging AI-driven video analysis and curriculum recommendations.

- Implemented secure user authentication, class session management, AI-powered drill suggestions and partner matching using Google Vertex AI Gemini Vision.
- Built a responsive web application that enables instructors to manage sessions and allows students to access personalized training plans.

Tech Stack: .NET Core, React SPA/TypeScript, Vite/NGINX Proxy, PostgreSQL, Vertex AI Gemini Vision and Text API, Grok Live Search API, Google Cloud Build, GKE VM.

EXPERIENCE

Senior .NET Developer

Clinical Mind   **November 2024 – April 2025, Remote**

• *Streamlined Speaker Event Management:* Designed and implemented an automated workflow for Speaker Event registration in the CM-GO SaaS platform, reducing administrative processing time by 40% and improving user satisfaction for internal teams managing expert training and certifications.

• *Enhanced Data Integration:* Successfully integrated the MedPro service API into CM-GO, enabling real-time synchronization of active Speakers dataset, which improved data accuracy by 30% and reduced manual data consolidation efforts by 25 hours per month.

Senior .NET Developer

AF Payments   **January 2024 – November 2024, Remote**

• Designed and developed the AFBI Reporting tool using.NET Core/C#, which seamlessly integrates with AWS S3 to read Parquet datasets and generate PDF reports from MS Report RDL templates, resulting in timely executive reports via email.

• Spearheaded the resolution of critical bugs, production incidents, and technical debt, clearing 70% of the issue backlog, significantly improving the overall stability and performance of the Beep SuperApp and BeepTransit.

• Successfully delivered the e-Biller payment and Mobile e-load features, further enhancing the e-wallet solution's capabilities and user experience.

• Collaborated with the front-end team to resolve critical bugs and backlogs using Flutter, ensuring the project's readiness for production launch.

Full-Stack Software Engineer

NOLA Digital Consulting: **July 2022 – February 2024, Remote**

- *PHARMACEUTICAL DATA MIGRATION PROJECTs:* [Speaker Bureau — ClinicalMind]
    - Develop feature enhancements and support production incidents of CMGO, a microservice SaaS product from Clinical Mind, which resulted in streamlined process for training/certifications of Speaker/Doctors/Experts on specific pharmaceutical topics.
    - Design, implement, test the Data Migration/Legacy System Integration projects for CMGO.
    - Build new MDBC pages for the existing ERP system using AL programming.
- *OPEN-SOURCE PROJECTs:*
    - Implement deploy, monitor, Administrative Web App Interface for NOLA employees that allows Nola's employees to manage their active project involvement, and enter their billable time entries, which saved 50% of developer investigation/admin work as well as provide the company with a transparent view of their employees' billable hours, resulting in employees having more time to focus on client-facing projects.
    - Design and Implement Devity-Tools, a developer productivity tool that manages notes, links and documentations for all of Nola Digital's currently active projects, which integrated JIRA API, ChatGPT API.
- *RACELAB GLOBAL SUPPORT SERVICE*:
    - Provide production incidents support for Racelab Global' suite of racing and wagering products.
    - Deliver new Auto-close settings feature with React.
    - Build the automated BI reporting console tool for S3 Parquet dataset with .NET 8/Lambda.
    - Provide infrastructure support for the AWS/Lambda/Datadog monitoring.
    - Product demo: [ProFORM | RACELAB Global , Odds Engine | RACELAB Global]

.NET Developer

SmartDev Outsourcing   **April 2021 - July 2022, Da Nang, Vietnam**

• Delivered a new app feature for Autumn Singapore, which resulted in a 20% increase of Autumn user engagement and 90% management satisfaction rate.

• Resulted in better maintainability by the in-house team by writing Unit-Test suite for new code changes => 95-100% Sonar Coverage

• Gained hands-on experience with deployment pipeline and obtained Microsoft Azure Fundamentals, AZ 900 Certification.

Jr .NET Web Developer
FPT Software Outsourcing   **October 2019 - March 2021, Da Nang, Vietnam**
• Delivered assigned tasks as a junior programmer in Angular/.NET MVC/Outsystems low-code projects for various outsourcing clients with a 90% management satisfaction rate. Completed projects within the given timeline and budget.
• Helped clear up technical debts and resolved production issues for clients that resulted in a 40% reduction in downtime.
• Obtained Outsystems Associate Developer certification that demonstrated proficiency in Outsystems low-code development platform.

INDUSTRY PROJECTS

BeepSuperApp eWallet Solution - AFPayment, Philippines.
AF Payments • January 2024 – November 2024, Remote

Description: This is a FinTech project for an e-wallet solution. Key responsibilities included:

• Implementing the Automated Reporting Console app that fetches Parquet data from S3 and loads in the RDL reporting templates to generate PDF report files as well as automatic email send-outs to stakeholders.
• Spearheaded the resolution of critical bugs, production incidents, and technical debt, clearing 70% of the issue backlog as a.NET backend developer, significantly improving the overall stability and performance of the Beep SuperApp.
• Successfully delivered the e-Biller payment and Mobile e-load features, further enhancing the e-wallet solution's capabilities and user experience.
• Collaborated with the frontend team to resolve critical bugs and backlogs using Flutter, ensuring the project's readiness for production launch.
• Product: Beep™ App – beep™

Racelab Global Support Service.
NOLA Digital • October 2023 – February 2024, Remote

Description: I have been involved in the maintenance and support service for a suite of racing and wagering systems for Racelab Global (Racing odds-publishing firm based in Brisbane, Australia). Key responsibilities included:

• **Incident Support**: Regularly handled Production Incident tickets from Zendesk, replicated and investigated the issues, wrote RCA reports, and applied fixes or solutions to ensure smooth operations. My contribution helped the operation team at Racelab reduce the weekly incident report rate by over 60%, leading to improved system stability and operational efficiency. This resulted in significant cost savings and enhanced customer satisfaction.
• **Initiative Project**:
    • Implementing the Auto-close setting feature, for both backend and frontend, which allows the Racelab operation team to quickly configure the Auto-close Status for each type of Racing event. This feature covers worldwide countries and various Race Types (Thoroughbred, Harness, Greyhound racing), significantly improving the efficiency of venue closing status management.
• Tech stack: REACT/NextJS/NodeJS/TypeScript/Material UI, Ruby on Rails, Golang, PostgreSQL, AWS Lambda/S3/Datadog/ .NET 8
• Product: ProFORM | RACELAB Global , Odds Engine | RACELAB Global

Clinical Mind Pharmaceutical SaaS.
NOLA Digital • October 2022 – December 2023, Remotes

Description: Engaged in the maintenance and enhancement of the Clinical Mind Microservice SaaS product (CM-GO) that was previously managed by an offshore team in Turkey. Designed and implemented a robust Data Migration project. Key responsibilities included:

• Introduced comprehensive Unit Test coverage to ensure code quality, maintainability, and to reduce potential future bugs.
• Investigated and troubleshot development bugs, established, and implemented the Unit Testing pattern, providing a clear guideline for the other offshore team to ensure consistent code quality and maintainability across the board.
• Analyzing existing data structures and understanding the intricate relationships between data entities.
• Implemented migration scripts and MDBC tools, followed by rigorous testing to ensure seamless data transition without any data loss or corruption.
• Conducting a thorough system analysis to understand the existing infrastructure and identify potential integration points.
• Collaborating closely with stakeholders to validate data post-migration and ensure its alignment with business requirements.
• Tech stack: .NET Core Rest API/C#, .NET MVC Razor pages, PostgreSQL/MySQL, Docker/Kafka/Redis, JavaScript/jQuery/ReactJS, Azure App Service/Virtual Machine/Container Instances.
• Product: CM Go – HCP Engagement Made Simple (cm-go.com)

Finance & Wellness App - Autumn Life Singapore

SmartDev • August 2021 – July 2022

• Developed and maintained RESTful APIs for the new features in ASP.NET Core for Autumn Singapore, resulting in a 20% increase of Autumn user base.
• Implemented external service integration using OAuth Authorization Code flow.
• Write Unit-Test suite for new code changes.
• Provided technical support to the client and assisted with deployment of the new features.
• Troubleshooting and debugging issues to ensure the smooth operation of the product.
• Worked in a team to integrate Investment Portfolios service and Trading service from 3rd-party API services into the existing product.
• Conducted code reviews and tested the new features to ensure high-quality code.
• Tech stack: .NET Core Web Api/C#/XUnit, React/JavaScript, ABP framework, MSSQL Server, OAuth 2.0
• Product: [Autumn - Your all-in-one app for planning your financial life](#)

GLOBE TELECOM
FPT Software • May 2020 - May 2021

• Analyzed incident reports from end-users and reduced the number of incidents by 30% by identifying and fixing root causes of issues.
• Fixed production bugs within 24 hours of receiving them, resulting in a 50% reduction in downtime.
• Customized OutSystems Frontend with vanilla JavaScript to improve user experience and increase customer satisfaction by 40%.
• Discussed with customers about potential impact of new code changes and implemented changes that resulted in a 20% increase in system performance.
• Create reusable UI layout code for OutSystems mobile and reactive web apps, decrease app development time by 45%.
• Deliver User Management feature of the admin web portal.
• Implement Single Sign-On login with Microsoft Azure Active Directory, reducing login time by 20%.

ORION REAL TIME LOCATION TRACKING SYSTEM
FPT Software • October 2019 - April 2020

• Implemented APIs for the "Campus Zone Management" module of the Orion Real Time Location Tracking System that resulted in a 50% reduction in time spent on manual data entry.
• Implemented FE features for the "Unsaved Zone Changes list" module as part of the "Zone Editor" feature that resulted in a 30% increase in user productivity.
• Implemented FE features for the "Zone Audit Report" module that resulted in a 20% increase in system performance.
• Tech stack: .NET Core Web Api/C#, Angular 8/TypeScript, MSSQL Server.

CERTIFICATIONS

Microsoft Azure Fundamentals: AZ-900
Microsoft • 2022
Certified in fundamental understanding and application of Azure Infrastructure.

Outsystems 11 Associate Web Developer
OutSystems • 2020
Certified in Outsystem low-code web app development.

HOBBIES AND INTERESTS

• Mixed Martial Arts
• Brazilian Jiu Jitsu
• Joe Rogan Experience podcast

REFERENCES

• **Ben Steinwand– Senior Solution Architect, Nola Digital**
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  • Ben.steinwand@gmail.com
• Arthur Luo – Tech Lead, Racelab Global.
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