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Accomplished Engineering Lead and Full Stack Engineer with expertise in TypeScript, Python, and C#. Specializing in the architecture of scalable microservices and AI-powered applications, leveraging RAG and MCP to build context-aware systems. Expert in designing complex data architectures across both Relational and NoSQL databases. Proven leader of engineering teams, focused on securing high-availability systems through OWASP standards, OAuth 2.0 authorization frameworks, and JWT-based authentication.

EXPERIENCE

LEAD FULL STACK ENGINEER

Inception (G42)

Dec 2025 - Present, AE, Abu Dhabi

- **Lead engineering teams** in the development of **sovereign AI platforms**, integrating RAG pipelines and MCP (Model Context Protocol) to bridge LLMs with secure enterprise data sources.
- **Architected high-performance microservices** using Python (FastAPI) and TypeScript, enabling scalable delivery of foundational AI models to government and enterprise clients.
- **Enforced security-first development** using OWASP standards, implementing robust OAuth 2.0 and JWT authentication layers for sensitive AI-driven workloads.
- **Orchestrated containerized deployments** via Docker and Kubernetes, optimizing the CI/CD lifecycle for AI applications on high-scale cloud infrastructure.

SENIOR FULL STACK DEVELOPER

DigitalQube Marketing Consultancy LLC

Jul 2021 - Nov 2025, AE, Abu Dhabi

- **Architected scalable microservices** (Typescript/Python) and AI-powered systems, leveraging RAG and MCP to deliver high-availability, enterprise-grade resilience
- **Engineered high-throughput APIs** using FastAPI and NestJS, securing all endpoints via OWASP standards, OAuth 2.0, and JWT-based RBAC/ABAC.
- **Designed polyglot data layers** (PostgreSQL, MongoDB, Redis), optimizing Relational and NoSQL storage to ensure high-speed responsiveness and efficient access patterns.
- **Automated CI/CD workflows** for containerized FastAPI/NestJS services using Docker and Kubernetes, streamlining rapid, reliable deployments on AWS/Azure

SENIOR FULL STACK DEVELOPER

Brixio (formerly ITFAQ - Digital Labs)

Aug 2017 - Jun 2021, AE, Dubai

- **Spearheaded high-performing, scalable applications:** Designed and architected software solutions using JavaScript and TypeScript, employing frameworks like NestJS and Fastify for optimal performance and data management. Deployed these applications on cloud platforms, ensuring scalability and global reach.
- **Led efficient development and collaboration:** Collaborated with diverse teams and vendors to identify and implement product improvements. Facilitated code reviews, debugging, and rigorous testing procedures to deliver reliable software solutions.
- **Enhanced user experience with modern web development practices:** Leveraged frameworks such as NestJS and Fastify, along with RESTful APIs, to build user-friendly web interfaces that seamlessly integrated with backend services.

FULL STACK WEB DEVELOPER

Al Dhafra Private Schools Abu Dhabi

Jun 2014 - Jul 2017, AE, Abu Dhabi

- **Boosted Internal Productivity with Custom Web Applications:** Analyzed user and system requirements to design and develop intuitive web applications using JavaScript ES5, Node.js, Bootstrap, HTML5, and CSS3. These applications significantly improved internal tool efficiency, streamlined workflows, and fostered better collaboration across teams.
- **Delivered User-Centric Websites with Modern Technologies:** Collaborated with stakeholders to identify website improvement opportunities. Utilized a powerful combination of JavaScript, Node.js, Bootstrap, HTML5, and Git to enhance website functionality and user experience.

FULL STACK SOFTWARE ENGINEER

FilAm Softwares

Sep 2012 - May 2014, PH, Angeles City

- **Delivered Secure and Reliable Applications:** Analyzed customer project requirements to design robust back-end applications while employing Silverlight and Kendo UI for user-friendly interfaces, and implemented proactive monitoring and predictive maintenance to ensure reliability and security throughout the project lifecycle.
- **Streamlined Development and Enhanced User Experience:** Utilized version control with TSVN for code integrity and collaboration, while leveraging Bootstrap to create clean and responsive user interfaces, resulting in high-quality, efficient software solutions focused on user-centric design.

PROGRAMMER

SourceHOV Philippines

Jan 2011 - Aug 2012, PH, Angeles City

- **Lead the evolution of internal software:** Collaborated with stakeholders to define and implement enhancements for existing .NET Framework applications. Leveraged IIS and MSSQL for efficient deployment and data management. This ensured the software remained modern, scalable, and aligned with evolving business needs.
- **Bridged the gap between users and IoT solutions:** Utilized your JavaScript expertise to develop engaging front-end web applications that interacted with internal IoT systems. This facilitated user interaction, improved data collection/management, and ultimately enhanced the functionality of these solutions.

PROGRAMMER

Voxscript Int.

May 2009 - Dec 2010, PH, Manila

- **Delivered Secure and Scalable Government Software:** Developed and maintained mission-critical applications using the .NET Framework for government agencies. Leveraged IIS and MSSQL to ensure secure deployment, robust data management, and adherence to government compliance standards.
- **Modernized Legacy Systems for Improved Efficiency:** Collaborated with government stakeholders to modernize existing software applications. Employed Bootstrap for a user-friendly interface and integrated seamlessly with existing .NET Framework and MSSQL infrastructure.

SKILLS

Languages: Python, C# | TypeScript | JavaScript | Go | SQL

Backend & Architecture: FastAPI, .NET Core | .NET Framework | ASP.NET Web API | NestJS | Node.js | Microservices | RESTful APIs | RabbitMQ | Kafka

Databases & Data Stores: MS SQL Server | PostgreSQL | MySQL | MongoDB | CosmosDB | DynamoDB | Redis

Cloud & DevOps: AWS | Azure | Docker | Kubernetes (K8s) | CI/CD | Vercel | Netlify

Authentication & Security: OAuth 2.0 | OpenID Connect | JWT | Role-Based Access Control (RBAC)

Frontend Development: React | Next.js | Redux | HTML5 | CSS3

Developer Tools: bash | zsh | CLI | Git | Visual Studio | VSCode | Neovim | npm

EDUCATION

Bachelor of Science in Computer Science Angeles University Foundation (Angeles City, Philippines)

Studied computational theory, software design, algorithms, data structures, and user computer interaction..

PROJECTS

Inception (G42) | Enterprise AI Platform & LLM Orchestration

Tech Stack: Python | TypeScript | RAG | MCP | PostgreSQL | Redis | Docker | Kubernetes

- Leading the architecture of AI-powered enterprise platforms, leveraging RAG (Retrieval-Augmented Generation) and MCP (Model Context Protocol) to build context-aware systems that bridge Large Language Models with secure enterprise data. Develop high-performance microservices using FastAPI and NestJS, ensuring high-availability and security through OWASP standards and containerized Kubernetes orchestration.

Inside Burj Al Arab | insideburjalarab.com

Tech Stack: FastAPI | Nodejs | TS | .NET (Sitecore) | REST APIs | TypeScript | React

- Engineered AI-powered RESTful APIs for a headless Sitecore architecture, optimizing dynamic content delivery to React and significantly improving system maintainability. Integrated mission-critical booking and payment systems, ensuring secure, reliable transactions via OWASP-aligned security practices.

DCAA Incident & Accident Notification System

Tech Stack: Nodejs | TS | .NET Core | ASP.NET Web API | RESTful APIs | Razor Pages

- Lead a mission-critical incident and accident notification system from the ground up using .NET Core for the Dubai Civil Aviation Authority. Developed the secure RESTful API and server-side logic to manage the intake, processing, and distribution of sensitive incident data in compliance with government standards.

Ain Dubai E-Commerce Platform | aindubai.com

Tech Stack: Nodejs | TS | .NET (Sitecore) | REST APIs | Razor Pages | TypeScript

- Built the primary e-commerce engine using .NET and Razor Pages, developing the server-side logic to power all online ticket sales, shopping cart management, and customer accounts. Orchestrated the backend integration of multiple third-party systems, including a primary payment gateway and a real-time ticketing platform.

Wild Wadi E-Commerce & Park Operations Platform | wildwadi.com

Tech Stack: Nodejs | Java (Spring Boot) | Go | .NET (Sitecore) | REST APIs | React | TypeScript

- Contributed to a hybrid microservices backend, developing critical services in both Java with Spring Boot and C#/.NET. Orchestrated the seamless backend integration of three core third-party platforms: a primary payment gateway, a live ticketing system, and a real-time ride queuing system.