

MK.Orozco

Senior Software Engineer

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Philippines Citize, English Fluent

Availability Status: Immediately

SUMMARY

Innovative Full Stack Engineer with 6+ years of experience designing and deploying scalable, cloud-native applications powered by AI and automation. Proficient in Angular, React, Node.js, and NestJS, with strong expertise in building REST/GraphQL APIs, microservices, and real-time data pipelines. Skilled in deploying distributed systems using Docker, Kubernetes, and CI/CD pipelines on AWS, Azure, and GCP. Experienced with OpenAI, LangChain, FastAPI, and Kafka, creating intelligent, event-driven platforms that integrate automation, analytics, and machine learning. Passionate about crafting high-performance, maintainable software that bridges modern web technologies, AI innovation, and cloud engineering excellence.

SKILLS & TOOLS

Artificial Intelligence / Machine Learning

Frameworks & Libraries: TensorFlow, PyTorch, Scikit-learn, Keras, XGBoost, OpenAI API, LangChain, Hugging Face Transformers, LlamaIndex, spaCy, NLTK

AI Automation & Agents: AutoGPT, CrewAI, BabyAGI, OpenDevin, LangGraph, Flowise, n8n, Make (Integromat), Zapier

AI Services & Integrations: OpenAI GPT models (GPT-4/5), Anthropic Claude, Google Vertex AI, AWS Bedrock, Azure Cognitive Services, Hugging Face Inference API

Data Engineering & Processing: Pandas, NumPy, PySpark, Dask, FastAPI for ML inference, Redis Vector DB, Pinecone, Weaviate, FAISS

Computer Vision / NLP: OCR (Tesseract, EasyOCR), speech-to-text (Whisper, Deepgram), text-to-speech (Coqui, ElevenLabs), sentiment analysis, summarization, NER

MLOps & Deployment: MLflow, BentoML, Dockerized inference servers, GPU inference on AWS EC2 (A100/H100), Hugging Face Spaces, Streamlit

Frontend Development

Frameworks & Libraries: Angular (CLI, Material, RxJS, NgRx), React, Next.js, Vue.js

UI/UX: Tailwind CSS, Bootstrap, SCSS, CSS3 Animations, Material Design, Responsive Design, Accessibility (WCAG), SEO Optimization

Rendering & Optimization: SSR (Angular Universal, Next.js), Lazy Loading, Code Splitting, Webpack Module Federation

Tools: ESLint, Prettier, Webpack, Babel

Backend Development

Languages: TypeScript, JavaScript (ES6+), Python, GoLang, PHP, Java, C#, C++

Frameworks: Node.js, Express.js, NestJS, FastAPI, Flask, Django, Gin, Echo, Laravel, ASP.NET, Spring Boot

API Design: RESTful APIs, GraphQL, gRPC, WebSockets, Socket.IO, SignalR

Authentication & Security: JWT, OAuth2, Passport.js, CORS, CSRF, XSS protection, Encryption, HTTPS/TLS

Architecture: Microservices, Event-Driven Architecture, Serverless (AWS Lambda, Azure Functions), Modular Architecture, Domain-Driven Design

Databases & Messaging

SQL Databases: PostgreSQL, MySQL, MariaDB, SQL Server

NoSQL Databases: MongoDB, DynamoDB, Redis, Elasticsearch

ORM / ODM: TypeORM, Sequelize, Prisma, Mongoose

Caching & Queues: Redis, RabbitMQ, Kafka, AWS SQS

Data Pipelines: Airflow, Kafka Streams, ETL automation

Automation & System Integration

Workflow Automation: n8n, Make.com, Zapier, Node-RED, Airbyte

Data Automation: Google Sheets API, Notion API, Smartsheet, QuickBooks API

Bots & Scripts: Telegram bots, Slack bots, Discord bots using Node.js / Python

RPA: UiPath, Robocorp, TagUI, Selenium

Cloud Infrastructure & DevOps

Cloud Providers: AWS (EC2, S3, Lambda, DynamoDB, CloudFront, RDS, ECS, MSK), Azure, Google Cloud Platform (GCP)

Containerization & Orchestration: Docker, Docker Compose, Kubernetes

Infrastructure as Code: Terraform, Pulumi, AWS CDK

CI/CD Pipelines: GitHub Actions, GitLab CI/CD, Jenkins, CircleCI

Monitoring & Observability: Prometheus, Grafana, Loki, ELK Stack, New Relic, Sentry, Application Insights

EDUCATION

Bachelor's degree in Computer Science

University of Tokyo (2019.3 ~ 2022.2)

ACM Participant (C ++ Algorithm and Data Structure)

Activities and societies: ACM ICPC – Competed for 2 consecutive years in regional contests, collaborating on complex algorithmic challenges under timed conditions. Gained experience in advanced problem-solving, team coordination, and competitive programming.

STRENGTH

Exceptional Problem-Solver

Excelled in analyzing complex problems and devising effective solutions with innovative approaches.

Strong Team Collaborator

Demonstrated the ability to work cohesively with cross-functional teams to achieve project objectives.

Innovative Technology Enthusiast

Keen interest in learning and implementing cutting-edge technologies to drive continuous improvement.

PROFESSIONAL EXPERIENCE

Itransition Group, Sydney, AU (Full Stack Developer)

03/2024 - 09/2025

I have built and maintained enterprise-grade web applications and automation systems using Angular, Node.js, NestJS, and PostgreSQL. Designed microservices and event-driven architectures powered by Redis, RabbitMQ, and Kafka, improving performance and scalability across multiple services. Integrated OpenAI APIs, LangChain, and FastAPI into client solutions for workflow automation and AI-driven analytics. Deployed applications on AWS (EC2, S3, Lambda) using Docker, Kubernetes, and Terraform, with CI/CD pipelines via GitHub Actions. Implemented real-time monitoring and logging using Prometheus, Grafana, Sentry, and Winston, ensuring reliability and observability across distributed systems.

Dreamsoft4u, California, US (Full Stack Developer)

07/2023 - 02/2024

I have developed healthcare and telemedicine platforms using Express.js, TypeScript, and PostgreSQL, focusing on data security and high availability. Designed RESTful and GraphQL APIs, optimized queries with TypeORM, and implemented JWT/OAuth2 authentication with Passport.js. Built responsive, cross-browser frontends using Angular, RxJS, Angular Material, and Tailwind CSS. Automated deployment pipelines using GitLab CI/CD, containerized services with Docker, and managed production environments on AWS ECS. Enhanced performance through Redis caching, message queues, and Node.js async patterns while ensuring compliance with healthcare data standards.

I-CubeDigitalSolutions, Makati Philippines, (Full Stack Developer)

05/2022 - 06/2023

I have development of marketing automation dashboards and analytics platforms using Angular, Node.js, NestJS, and MongoDB. Implemented state management with NgRx, Reactive programming via RxJS, and responsive designs with SCSS, Bootstrap, and Tailwind CSS. Built event-driven backends with Kafka, RabbitMQ, and Redis, deployed on AWS Lambda and EC2 using Docker Compose and Kubernetes. Integrated n8n, Python FastAPI, and LangChain to build internal AI automation pipelines for content generation and data enrichment. Focused on performance optimization, code modularity, and CI/CD integration with GitHub Actions and Jenkins.

Symp, Cebu Philippines, (Software Engineering Intern)

04/2019 - 02/2022

I have assisted in full-stack web development using React, Node.js, and MySQL, while learning agile software delivery and version control with Git/GitHub. Developed and styled responsive web components with HTML5, CSS3, Bootstrap, and SCSS. Supported integration of REST APIs, JWT authentication, and socket-based communication for internal tools. Participated in unit testing (Jasmine, Mocha) and E2E testing (Cypress) to improve software quality. Gained early exposure to Docker, AWS, and CI/CD workflows that shaped strong DevOps and cloud engineering habits.