

David Wang

Senior AI Full Stack Engineer

cooldev731@gmail.com

SUMMARY

Senior AI Full Stack Engineer with 10+ years of experience building scalable web applications, distributed systems, and AI-powered platforms. Strong expertise in JavaScript, TypeScript, Python, React, Node.js, cloud infrastructure, and modern software architecture.

Experienced in machine learning workflows, Large Language Models (LLMs), AI model evaluation, prompt engineering, reinforcement learning from human feedback (RLHF), and AI-assisted software development. Proven track record of delivering high-performance solutions across SaaS, enterprise, and AI-driven products.

Adept at leading full software development lifecycles, designing scalable architectures, optimizing system performance, and collaborating with cross-functional teams to build innovative products that drive business growth.

SKILLS

Frontend Development:

React.js, Next.js, Vue.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Tailwind CSS, Bootstrap, State Management (Redux, Context API), Responsive Design & Cross-Browser Compatibility

Backend Development:

Node.js (Express.js, NestJS), PHP (Laravel), Python (Django, FastAPI), REST API Design, GraphQL APIs, WebSockets, Real-Time Data Processing

AI & Machine Learning:

Large Language Models (LLMs), Prompt Engineering, AI Model Evaluation, Reinforcement Learning from Human Feedback (RLHF), Human-in-the-Loop Training, Dataset Annotation & Quality Assurance, Machine Learning Pipelines, AI-Assisted Software Development, OpenAI APIs, Claude APIs, AI Agent Systems, Retrieval-Augmented Generation (RAG), Vector Databases, LangChain, LlamaIndex, AI Workflow Automation

Databases & Storage:

PostgreSQL, MySQL, MongoDB, Redis (Caching, Pub/Sub), Database Design, Indexing & Query Optimization

DevOps & Cloud Infrastructure:

AWS (EC2, S3, RDS, Lambda, CloudWatch), Docker, Docker Compose, CI/CD (GitHub Actions, GitLab CI), Nginx, Linux Server Administration, Load Balancing, Auto Scaling

Architecture & Systems:

Microservices Architecture, Event-Driven Systems (RabbitMQ, Kafka, BullMQ), Distributed Systems & Background Processing, API Gateway Design, Monitoring & Logging (Prometheus, Grafana)

Tools & Practices:

Git (GitHub, GitLab, Bitbucket), Test Frameworks (Jest, Mocha, PHPUnit, PyTest), Code Reviews & Clean Code Practices, Documentation & Technical Specifications

EDUCATION

Bulacan State University
Bachelor of Computer Science

2012 - 2016

EXPERIENCE

REVELO

Senior AI Trainer

01/2026 - 05/2026

- Evaluated and improved Large Language Model (LLM) outputs across software engineering, code generation, and technical reasoning tasks.
- Reviewed AI-generated code for correctness, performance, maintainability, and adherence to engineering best practices.
- Designed high-quality prompts and training scenarios to enhance model reasoning, instruction-following, and response accuracy.
- Performed detailed annotation, ranking, and comparative analysis of model responses to support reinforcement learning from human feedback (RLHF) initiatives.
- Collaborated with AI researchers, data scientists, and engineering teams to identify model weaknesses and improve training datasets.
- Conducted technical reviews covering JavaScript, TypeScript, Python, React, Node.js, backend architectures, and software development workflows.
- Created comprehensive documentation and evaluation reports that helped improve model quality, consistency, and reliability.
- Participated in large-scale AI training projects focused on coding assistants, software engineering workflows, and developer productivity tools.
- Validated model outputs against real-world software development standards, ensuring high-quality and production-relevant responses.
- Consistently ranked among top-performing contributors for evaluation accuracy, task completion quality, and technical feedback.

VALUELABS

Senior AI Engineer

09/2023 - 12/2025

- Designed, implemented, and maintained end-to-end machine learning pipelines using Python that covered the entire process from data collection to model training, evaluation, and production release.
- Deep-dived into debugging and performed root cause analysis on datasets, source code, and model behavior, resulting in well-structured documentation with recommended corrective actions to enhance model reliability and performance.
- Performed thorough code reviews for different teams and offered detailed feedback on code readability, performance optimization, scalability, and compliance with engineering best practices.
- Converted old machine learning scripts into modular, testable, and maintainable Python packages, which notably enhanced system stability and reduced turnaround time for new engineers.
- Developed internal tools for model evaluation, experiment tracking, and automated testing to ensure reproducibility, improve research quality, and shorten development cycles.
- Created comprehensive technical documentation of ML systems, including architecture diagrams, workflow designs, code walkthroughs, and operational guidelines.
- Worked closely with cross-functional stakeholders to transform unclear business requirements into well-defined technical solutions and scalable machine learning implementations.
- Worked independently, consistently providing excellent solutions that met quality standards and were delivered within project schedules.

SCALABLE PATH

Full Stack Engineer

03/2021 - 09/2023

- Migrated legacy monolithic systems into modular, scalable full stack microservices architectures, improving deployment speed and system reliability.
- Developed dynamic frontend applications using React.js, delivering responsive and intuitive user interfaces.
- Designed backend services and APIs supporting web platforms, admin dashboards, and automation systems.
- Integrated AI/ML-driven functionalities through backend services and data pipelines.
- Implemented secure authentication and authorization systems using JWT, OAuth2, and RBAC.
- Optimized application performance through caching strategies, asynchronous processing, and database query improvements.
- Enhanced CI/CD pipelines and containerized environments, enabling faster and more reliable deployments.
- Collaborated with product managers, designers, and engineers to deliver features aligned with business objectives.

10PEARLS

Full Stack / Backend Developer

03/2018 - 03/2021

- Developed scalable full stack features for enterprise and mid-scale applications using Laravel, Django, and JavaScript frameworks.
- Built and optimized REST APIs for authentication, reporting, and third-party integrations.
- Designed relational database schemas and optimized complex queries, reducing response times from seconds to milliseconds.
- Implemented background workers, cron jobs, and queue-based systems for asynchronous processing.
- Improved system reliability through structured logging, monitoring, and robust error handling.
- Collaborated with DevOps teams to implement containerization and automated deployment pipelines.
- Contributed reusable components and participated in peer code reviews to improve team productivity.

DATAART

Junior Backend Developer

09/2016 - 03/2018

- Assisted in developing backend services and APIs using PHP and Python.
- Built CRUD operations, authentication flows, and data-processing features.
- Designed and optimized SQL queries and database schemas.
- Supported implementation of background jobs, email services, and scheduled tasks.
- Maintained Linux environments and assisted in debugging production issues.
- Participated in code reviews and adopted secure coding best practices.