

David Lang

dlang0473@gmail.com | +1 (469) 327-8515 | linkedin.com/in/david-lang-974702410 | Jacksonville, FL

SUMMARY

Senior Full Stack AI Engineer with 8+ years of experience building scalable web applications, cloud platforms, and AI-powered products. Skilled in Python, Node.js, Go, C#, React, TypeScript, AWS, Azure, GCP, and LLM technologies, with experience delivering production systems, AI integrations, and reliable solutions across diverse industries.

TECHNICAL SKILLS

Language — JavaScript, TypeScript, Python, C#, Go, Java, SQL

Frontend — React, Next.js, Vue.js, Tailwind CSS, React Native, Expo

Backend — FastAPI, Django, NestJS, Express, ASP.NET Core, Spring Boot, REST APIs, GraphQL, WebSockets

Architecture — Microservices, Event-Driven Architecture, Distributed Systems, Domain-Driven Design, API Design

Databases — PostgreSQL, MySQL, MongoDB, Redis, Supabase, Prisma ORM, Drizzle ORM

Cloud & Infrastructure — AWS (ECS, Lambda, API Gateway, S3, SQS, Step Functions, CloudFormation, SageMaker, Bedrock), Azure (AKS, Azure Functions, Azure SQL, Service Bus, Event Grid, Azure OpenAI), GCP (GKE, Pub/Sub), Docker, Kubernetes, Terraform

AI & LLM — OpenAI, Anthropic, LangChain, LlamaIndex, Model Context Protocol (MCP), RAG, Prompt Engineering, AI SDKs

Automation & Integration — n8n, Zapier, Stripe, SendGrid, Twilio, Social Media APIs, GHL, Salesforce

DevOps & Observability — GitHub Actions, Jenkins, CI/CD, CloudWatch, Grafana, Prometheus

Practices & Tools — Git, Agile/Scrum, Jira, SOC 2, Claude Code, Cursor, GitHub Copilot

EXPERIENCE

Pixellot, *Senior Full Stack AI Engineer*

04/2023 – 04/2026 | Remote

- Built and maintained production AI-powered SaaS applications supporting 15K+ daily users, improving platform reliability and delivering scalable customer-facing and internal business applications.
- Developed Python (FastAPI) and NestJS microservices powering AI workflows, REST APIs, and business logic for production systems.
- Integrated OpenAI and Anthropic models using LangChain, LlamaIndex, and Model Context Protocol (MCP) to build RAG pipelines, AI agents, and workflow automation, reducing manual processing time by 40%.
- Developed Voice AI Agents by integrating speech-to-text, LLM orchestration, and text-to-speech services for real-time conversational experiences.
- Designed and optimized PostgreSQL schemas, Redis caching, and data pipelines, improving query performance by 30% and supporting high-volume production workloads.
- Built and maintained AWS-based applications using ECS, Lambda, API Gateway, S3, SQS, Step Functions, and Bedrock, improving system scalability and operational reliability.
- Developed responsive web applications with React, TypeScript, Next.js, and Tailwind CSS, delivering AI-powered features and reusable UI components.
- Containerized applications with Docker and implemented CI/CD pipelines using GitHub Actions, reducing deployment time by 50% and increasing release reliability.
- Leveraged Claude Code, Cursor, and GitHub Copilot to accelerate implementation, debugging, refactoring, and testing while maintaining production-quality code.
- Partnered with product managers, designers, and engineers to deliver AI-powered features from concept through production.

SwingVision, Full Stack Engineer

04/2020 – 03/2023 | St. Augustine, FL

- Developed full-stack product features for customer-facing applications and internal business platforms, improving user engagement and operational efficiency.
- Built responsive web applications using React, Next.js, TypeScript, and Tailwind CSS, developing reusable components and interactive dashboards.
- Developed Python (FastAPI) and Go microservices supporting REST APIs, GraphQL, background jobs, queue processing, and real-time communication with Socket.IO.
- Designed and optimized PostgreSQL, MySQL, and Redis databases, improving query performance by 25% and supporting scalable production systems.
- Integrated Stripe, Twilio, SendGrid, Salesforce, GoHighLevel (GHL), and external APIs to automate payments, customer communications, CRM workflows, and business operations.
- Built workflow automation using n8n, Zapier, scheduled jobs, and queue-based processing, reducing manual operations and improving business efficiency.
- Implemented OAuth2, JWT, and RBAC authentication for secure multi-user applications and API access.
- Built Docker-based development environments and CI/CD pipelines with GitHub Actions, improving deployment reliability and engineering productivity.
- Collaborated with product managers, designers, and QA engineers to deliver production-ready features throughout the product lifecycle.

FIS, Full Stack Engineer

06/2018 – 03/2020 | Jacksonville, FL

- Developed enterprise applications using C#, ASP.NET Core, React, and Next.js to support internal business workflows, reporting platforms, and customer-facing systems.
- Built and maintained REST APIs, backend services, and business logic using .NET technologies to support transactional workflows and enterprise operations.
- Designed SQL Server data models and developed data processing workflows using Azure Data Factory, Azure Data Lake, and cloud-based data solutions to support analytics and reporting.
- Developed reporting and visualization solutions using Power BI, Azure services, and CI/CD practices to improve business insights and application reliability.

EDUCATION

Bachelor's Degree in Computer and Information Sciences, General, *University of North Florida*

08/2015 – 05/2018