

Michel Abboud

Principal Architect & DevOps Leader Visionary and Innovative · AI Integration High-Scale Systems · CTO/CEO Experience

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Executive Summary

Systems-oriented, visionary, and innovative leader with 20+ years of experience spanning CTO, CEO, and Principal DevOps roles. Former lecturer at the Technion Practical Engineering School and the College of Management, teaching programming, operating systems, and networking. I specialize in architecting secure, high-scale cloud environments that handles high workload volumes.

Current Focus: Integrating GenAI/LLM technologies into production workflows, including agentic AI coding, LLM orchestration (MCP, n8n), and AI-assisted development tooling.

My leadership philosophy balances ambitious technical exploration with production-grade standards for robustness, security, and compliance.

Core Competencies

Leadership & Strategy	Architecture & Scale	GenAI & AI Tools	Compliance & Tooling
CTO / CEO Experience	System & Software Architecture	LLM Orchestration (MCP, n8n)	AWS Certified SA - Associate
Roadmap Definition	High-Scale Web Platforms	Foundation Models (GPT, Gemini, Claude, Grok)	DevSecOps & OWASP
Technology Research	AWS / Azure Cloud	AI Coding Tools (Copilot, Claude Code)	Terraform / IaC
Consulting & Budgets	Kubernetes & Autoscaling	Agentic AI Workflows	Python, Bash, C/C++

What Sets Me Apart

- **Hands-on Executive:** I architect systems and write code, not just strategies
- **AI-Native Workflow Integration:** Actively using and integrating GenAI tools in production environments

- **Regulatory Experience:** Built compliant systems for healthcare (Medtronic) and enterprise environments
- **Full-Stack Infrastructure Vision:** From database optimization to Kubernetes orchestration to CI/CD pipelines
- **Teaching & Mentorship:** Former lecturer with experience teaching programming, operating systems, and networking

Key Experience

DevOps Tech Lead | 365Scores

March 2025 – Present

- Architect and manage high-scale web platforms serving hundreds of millions of monthly requests across multiple domains
- Lead technology research initiatives, including LLM and agentic AI integration into platform workflows
- Define and execute AWS cloud architecture using VPC, RDS, CloudFront, ALB, CloudWatch, and IAM

Senior DevOps Engineer | Semperis

September 2023 – August 2024

- Built and maintained CI/CD pipelines for production and test environments using Azure DevOps, Docker and Terraform
- Supported microservices architecture on Kubernetes, improving deployment reliability and standardizing configurations
- Integrated security and quality tools (SonarCloud, Snyk) into the delivery process

Principal DevOps Engineer | Medtronic

April 2020 – August 2023

- Served as the sole Principal DevOps Engineer, owning end-to-end infrastructure and CI/CD for regulated medical device software
- Built customized AWS cloud architecture meeting healthcare compliance requirements
- Developed 30+ specialized tools supporting the AI/ML team's development and model training workflows
- Configured GPU-enabled development environments and training infrastructure for AI initiatives

CEO & Founder | Simple Backend Ltd.

July 2013 – March 2020

Cloud architecture and backend services company providing platforms and consulting for startups and businesses.

- Founded and led the company, combining hands-on technical work with customer engagement and product strategy
- Led client projects end-to-end, including managing and mentoring client-side engineers across DevOps, cloud architecture, security, and software development
- Designed and built a serverless / low-code API platform on AWS with strong focus on performance, scalability and security
- Delivered DevOps and cloud architecture services on AWS and Azure for multiple clients, including secure multi-environment deployments
- Developed backend services and automation in Python, PHP and Bash; implemented cost and performance monitoring for customer workloads
- Managed relational and NoSQL databases in the cloud, including schema design, capacity planning and backup strategies

IT & Development Expert | Amdocs

September 1999 – February 2009

- Progressed through roles including Oracle DBA, Team Lead, and Development Tools R&D
- Invented and implemented DDLSec, an Oracle security system for DDL auditing and protection
- Led production operations, software architecture, and cross-functional team management

Education & Certifications

B.Sc. Computer Science Champlain College, Vermont (1999–2002)

AWS Certified Solutions Architect - Associate