Michel Abboud

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

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Profile

Over twenty years of hands-on experience across DevOps, cloud architecture, software development, databases and production operations. Strong focus on building secure, scalable and cost-efficient platforms on AWS and Azure, with deep Linux and networking knowledge. Entrepreneurial mindset with a track record as founder, CTO and principal engineer in startups and large enterprises.

Current focus: Actively integrating GenAI and LLM technologies into real workflows — from agentic AI coding tools (Claude Code, Cursor, Codex) to LLM orchestration (MCP, n8n) and self-hosted AI stacks. Building production systems using AI-assisted development as the primary methodology, treating AI as a force multiplier rather than a novelty.

Experienced in leading end-to-end delivery of complex systems, mentoring engineers and working directly with international customers in regulated environments.

Key Skills

Cloud & DevOps

- AWS (EC2, RDS, S3, CloudFront, VPC, IAM), Azure (AKS, Azure DevOps, storage, networking)

- CI/CD design and implementation using GitHub Actions, Azure DevOps, Git, Terraform, Ansible

- Containers and orchestration: Docker, Kubernetes (microservices, production and test clusters)

- Observability: Prometheus, Grafana, logging and alerting pipelines

Programming & Automation

- Python, Bash, Node.js, PHP, Java, C/C++, SQL

- Infrastructure automation, migration tools, internal developer tooling

Databases

- Relational: PostgreSQL, MySQL, Oracle (including performance tuning and large-scale upgrades)

- NoSQL: MongoDB, DynamoDB, SimpleDB, caching layers (memcached, Redis-style stores)

Security & Reliability

- Secure cloud architectures, VPNs, access control, MFA, Linux hardening

- Integrating tools such as Snyk and SonarCloud-type platforms into delivery flows

Leadership & Communication

- Leading small to mid-size engineering teams and cross-functional projects
- Coaching developers, designing processes, teaching in academic and professional settings

GenAI & Modern Tooling

- LLM platforms: ChatGPT, Claude, Gemini, Grok
- AI-assisted development: GitHub Copilot, Claude Code, Cursor
- LLM orchestration and agentic workflows: MCP, n8n, custom integrations
- AI/ML infrastructure: GPU environments, model training pipelines, MLOps tooling

Professional Experience

DevOps Tech Lead – 365Scores

Ramat Gan, Israel · 03/2025 – Present

Sports media platform serving fans worldwide with real-time scores and content.

- Architect and manage high-scale web platforms handling hundreds of millions of monthly requests across multiple domains
- Lead technology research initiatives, evaluating and integrating LLM and agentic AI tools into platform workflows
- Define and execute AWS cloud architecture using VPC, RDS, CloudFront, ALB, CloudWatch, and IAM
- Ensure high availability and scalability through proactive capacity planning and performance optimization

Senior DevOps Engineer – Semperis

Ramat Gan, Israel · 09/2023 – 08/2024

Cybersecurity company protecting enterprise identity platforms.

- Part of the DevOps team building and maintaining CI/CD pipelines for production and test environments using Azure DevOps, Docker and Terraform

- Supported a microservices architecture on Kubernetes, improving deployment reliability and standardising service configurations

- Wrote infrastructure and operations automation in Python and Bash, including tooling for environment management and runbooks

- Worked with PostgreSQL and an observability stack (Prometheus, Grafana) to monitor, troubleshoot and optimise production systems

- Integrated security and quality tools such as SonarCloud and Snyk into the delivery process

- Collaborated closely with R&D and security teams in a hybrid Linux/Windows and Azure cloud environment

Principal DevOps Engineer – Medtronic

Israel · 04/2020 – 08/2023

Global leader in medical technology; role focused on DevOps for R&D platforms.

- Served as the sole DevOps engineer for the D&R team, owning CI/CD, infrastructure and operations end-to-end

- Designed and implemented build and deployment pipelines for development, test and production using Docker, Git, GitHub, Ansible and Terraform

- Managed Linux servers and AWS infrastructure, including networking, security groups and VPN connectivity

- Administered MongoDB and MySQL databases, ensuring availability, backups and performance optimisation

- Implemented monitoring and logging solutions and led incident analysis and remediation for production systems

- Partnered with global engineering teams to align tooling and practices with regulatory and security requirements

CEO & Founder / Senior DevOps Engineer – Simple Backend Ltd.

Haifa, Israel · 07/2013 – 03/2020

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

- 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

Chief Technology Officer – Archimadness Ltd.

Haifa, Israel · 08/2012 – 07/2013

Gaming startup building an innovative large-scale game platform.

- Designed the overall system and game architecture for a new online gaming platform

- Built a high-performance game engine using DynamoDB and an in-memory caching layer

- Leveraged AWS services to achieve scalability and cost efficiency

- Developed backend APIs and integrations with the Facebook platform; trained and supported developers

Chief Technology Officer & R&D – Dassa Games Ltd.

Haifa, Israel · 01/2009 – 12/2011

Online games company focused on social and casual games.

- Architected and implemented modular game backend infrastructure on AWS using SimpleDB and custom services

- Led a multidisciplinary team of developers and designers using Scrum-based delivery

- Oversaw security, operations and scaling of production systems and web servers

- Implemented micro-payments, Facebook and third-party integrations, and internal tooling for rapid game development

Various Engineering & Leadership Roles – Amdocs

Haifa, Israel · 08/1999 – 02/2009

Global software provider for telecom billing and CRM systems.
Roles included Infrastructure Team Leader, Oracle DBA, Java Developer, and Migration & Conversion Engineer.

- Led an infrastructure team responsible for daily and nightly builds, build tooling and developer support on Unix systems

- Designed and developed migration and conversion tools in C and shell for large Oracle databases, including performance tuning and on-site customer support

- Built back-end Java daemons and integrations for Accounts Receivable systems

- Created internal developer tools, documentation and training; contributed to production incident resolution and performance improvements

Lecturer & System Administrator – Technion Practical Engineering School & College of Management

Haifa, Israel · 1994 – 2000

- Taught programming (C/C++, Pascal, Visual Basic), operating systems, networking and office applications

- Managed computer labs and servers (Linux, Novell, Windows), networks and security infrastructure supporting hundreds of students

Education

Bachelor of Science, Computer Science Champlain College, Burlington, Vermont, USA · 1999–2002

Practical Engineer Diploma, Computer Science and Programming
Practical Engineering School, Technion – Haifa, Israel · 1993–1995

Certifications

- AWS Certified Solutions Architect – Associate (2017)

- Oracle DBA Certification (Oracle 9i)

- SunOS Administration (1995)

Additional Information

- **Technical hobbies:** 3D printing, DIY electronics, Raspberry Pi & Arduino projects
- **Other interests:** Photography, gardening