

Denison Cupidon

CTO & Senior Software Engineer

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SUMMARY

Engineering leader with 11+ years building software end to end — from native mobile apps to multi-tenant SaaS platforms and AI systems. My path runs from lead Android developer to senior Java engineer to Chief Technology Officer, so I move comfortably between hands-on architecture and technical leadership. Today I focus on retrieval-augmented AI, platform engineering, and the reusable foundations that let small teams ship serious products.

EXPERIENCE

Providus Technologies

2019 — Present

Chief Technology Officer (2025 — Present) · Senior Java Software Engineer (2019 — 2025)

- Lead technology strategy and architecture for multi-tenant SaaS and real-time platforms, owning the technical direction from data model through to delivery.
- Established a shared platform foundation — identity, mail, audit and infrastructure libraries plus gRPC and custom Gradle tooling — that products consume instead of duplicating.
- Deliver retrieval-augmented AI systems: knowledge-graph-grounded assistants, multi-source governed retrieval, and multi-agent orchestration.
- Architect high-throughput real-time backends handling live ingestion and low-latency serving.

Harel Mallac Technologies

2018 — 2019

Senior System Implementor (2019) · System Implementor (2018 — 2019)

Mobi Move

2014 — 2018

Senior Lead Mobile Software Developer

- Led native Android development, code review, and delivery strategy for the mobile portfolio.

Blanche Birger

2014

Trainee Software Developer

SELECTED PROJECTS

Governance-Aware Multi-Source RAG

M.Sc. Dissertation

Dissertation research evaluating retrieval-augmented generation across multiple governed sources for software project management, delivering a reproducible benchmark for governance-aware retrieval.

Curriculum-Grounded Learning Platform

SaaS · EdTech

Gamified multi-tenant learning platform whose RAG tutor answers only from each school's approved curriculum, modelled as a knowledge graph rather than hard-coded content.

Federated Medical Records SaaS

SaaS · HealthTech

Multi-tenant platform with patient-owned identity portable across clinics, plus real-time patient queues.

Real-Time Sports Prediction Platform

Data · Real-Time

High-throughput platform ingesting live data and serving predictions in real time, with ML and LLM predictors competing on one leaderboard.

Multi-Agent Dev-Team Platform

AI · Developer Tools

Orchestrated team of AI engineering agents collaborating across roles to move work from intent to implementation in vertical slices.

Shared Platform Libraries

Platform Engineering

Reusable identity, mail, audit and infrastructure libraries with a gRPC name resolver and custom Gradle tooling, consumed across multiple products.

SKILLS

Languages & Frameworks	Java · Spring Boot · Python · Django · Kotlin · Android · TypeScript · Next.js
AI & Machine Learning	Retrieval-Augmented Generation · LLM Orchestration · Knowledge Graphs · Multi-Agent Systems
Platform & Cloud	Multi-tenant SaaS · Google Cloud · gRPC · Docker · PostgreSQL
Networking	Routing & Switching · Enterprise Security · Network Automation

CERTIFICATIONS

- CCNA: Switching, Routing, and Wireless Essentials — Cisco
- CCNA: Enterprise Networking, Security, and Automation — Cisco
- GCP Fundamentals: Core Infrastructure — Google Cloud
- Securing and Integrating Components of your Application — Google Cloud
- Getting Started With Application Development — Google Cloud

EDUCATION

M.Sc. Artificial Intelligence	2024 — 2026
University of Mauritius · <i>Expected graduation September 2026</i>	
Dissertation: governance-aware retrieval-augmented generation across multiple governed sources.	
B.Sc. Information Systems	2012 — 2015
University of Mauritius	