

GUILIO DEL FAVA

Senior Software Architect & Software Engineer

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EXECUTIVE SUMMARY

Senior Software Architect and Software Engineer with over 22 years of experience designing enterprise, cloud, mobile and web solutions. Experienced in solution architecture, AI-assisted software engineering, technical leadership, UI/UX design, and scalable application development. Passionate about building software that solves complex business problems while mentoring teams and adopting modern AI-enhanced engineering practices.

CORE COMPETENCIES

- Solution & Enterprise Architecture
- Native iOS Development (Swift / SwiftUI)
- Full-Stack Web Development
- API Design & Systems Integration
- Data Analytics & Reporting
- AI-Assisted Software Engineering
- Cloud & Serverless Architecture
- UI / UX & Product Design
- Technical Leadership & Mentoring
- eCommerce & CMS Platforms

AI-ASSISTED SOFTWARE ENGINEERING

AI-first engineer who integrates agentic AI tooling across the full delivery lifecycle — from architecture and rapid prototyping to code review and technical documentation — to ship higher-quality software faster.

- AI-first development workflow
- Claude Code
- OpenAI ChatGPT
- Prompt engineering
- AI-assisted code reviews
- Rapid prototyping
- Agentic development workflows
- Claude Design
- Google Gemini / AI Studio
- AI-assisted architecture
- Technical documentation
- AI-assisted UX design

TECHNOLOGY STACK

Architecture Solution Architecture, Enterprise Architecture, System Design, API Design, Microservices

Cloud Firebase, Microsoft Azure, Google Cloud, CloudKit

DevOps GitHub, CI/CD, Docker, Linux, cPanel / WHM, WHMCS

Design Figma, Adobe XD, UI/UX Design, Xcode

Programming Swift, SwiftUI, JavaScript, TypeScript, PHP, SQL, HTML5, CSS3

AI Claude Code, Claude Design, ChatGPT, Google Gemini, Prompt Engineering, AI-assisted Development

Web & CMS Next.js, WordPress, WooCommerce, Elementor Pro, Magento, REST APIs

Data Power BI, Google Analytics, Statistics & Reporting, Database Queries

CERTIFICATIONS

Microsoft MS-900 Certified Professional, MCSA, MCSE, Azure Administration

Networking CompTIA A+, CompTIA N+, CompTIA Security+, CCNA, CCNP

Analytics Google Analytics Certification (2023)

Cloud & Identity JumpCloud Certified Administrator, OKTA Administration

Security SonicWall Network Security Administrator, SonicWall Advanced Network Security

Service ITIL v3 Foundation, Jira Service Desk Admin

KEY CAREER HIGHLIGHTS

- Designed, built and shipped three native iOS apps to the Apple App Store — Refuells, MoneyCubbi and AdRadar — now used by people across 41 countries; built end-to-end on Swift, SwiftUI, Firebase and CloudKit.
- Delivered 80+ web and application projects across enterprise, government, education and SMME clients over a 22-year career.
- Recognised with 3× Crocoblock Website Design of the Week awards and 2× ESET Partner Gold Awards, plus Elementor Design Expert status.
- Pioneered an AI-first engineering workflow using agentic tooling (Claude Code, Claude Design) to accelerate architecture, prototyping and code review.

PROFESSIONAL EXPERIENCE

Senior Software Architect & Software Engineer

Serfie Imports & Exports (Pty) Ltd — Nutritech *May 2026 – Present*

- Architected the end-to-end software strategy spanning native iOS apps, web platforms and cloud services for the Nutritech brand.
- Designed the data model, authentication and API layer on Firebase and CloudKit, enabling real-time sync, offline support and secure multi-device access.
- Built native iOS applications in Swift and SwiftUI on a modular, testable architecture (MVVM) that keeps features maintainable as the product scales.
- Led UI/UX design across mobile and web products, translating business requirements into clean, conversion-focused interfaces.
- Developed and integrated eCommerce and marketing web platforms on Next.js, WordPress and WooCommerce, wiring third-party services via REST APIs.
- Built data and statistics reporting that drives product, marketing and commercial decision-making.

Technologies: *Swift • SwiftUI • Firebase • CloudKit • Next.js • WordPress • WooCommerce • REST APIs • AI-assisted Development*

Senior Software Architect & Web Developer / UX Specialist

Kaldera (Pty) Ltd *Jul 2021 – Apr 2026*

- Architected and delivered web and mobile applications for a diverse client base, owning solutions from requirements and system design through deployment.
- Designed scalable WordPress and WooCommerce eCommerce platforms, several recognised with international design awards.
- Led UI/UX design and front-end engineering, establishing reusable design systems and component libraries that sped up delivery across projects.
- Designed and shipped native iOS apps — including subscription and in-app-purchase architecture — integrating Firebase backends and third-party APIs.
- Delivered data analytics and reporting dashboards enabling clients to track performance and revenue.

Technologies: *Swift • SwiftUI • Firebase • WordPress • WooCommerce • Elementor Pro • JavaScript • PHP • Figma*

Senior Server Engineer / Web Developer

Mars Technologies *Dec 2020 – Jun 2021*

- Managed Microsoft Server and managed-services infrastructure, network administration, security and compliance.
- Developed and designed WordPress websites across a wide range of SMME clients.
- Hardened network security and ensured compliance across managed client environments.

Technologies: *Microsoft Server • WordPress • Network Security • Managed Services*

Senior Web Developer

Luan Digital *Aug 2020 – Dec 2020*

- Developed WordPress eCommerce websites and delivered design projects across a broad SMME client base.
- Built custom WooCommerce storefronts optimised for conversion and performance.

Technologies: *WordPress • WooCommerce • Elementor • HTML5 • CSS3 • PHP*

Earlier Career

IT Support Technician — SA & UK Offices

Canpango SA (Pty) Ltd *Sep 2018 – Nov 2019*

- Delivered end-user support, cloud software administration and training across South African and UK offices.
- Administered Google Workspace, JumpCloud, Jira Service Desk, Salesforce, OKTA and AWS environments.
- Developed business applications with AppSheet and managed network, backup and infrastructure operations.

Earlier IT & Networking Experience (2004 – 2018)

Network Engineer — Twizza (Pty) Ltd *Apr 2017 – Mar 2018*

Designed and administered server/network infrastructure with IPS/IDS security, VLANs, VOIP and CCTV across four national branches; trained and led the IT support team.

Network Administrator & Web Developer — Queen's College Boys' High School *Aug 2012 – Mar 2017*

Managed network, desktop and server virtualisation (VMware, HP, Dell), student administration systems, backups and network security.

Network Technician & Web Developer — Chris Hani District Municipality *Aug 2006 – Jul 2012*

Delivered end-user and infrastructure support; administered SharePoint Server and InfoPath; developed and authored the organisation's website.

Senior Network Engineer & Web Developer — ConnectMe ISP (Freelance / Side Venture) *2004 – 2014*

Built PHP/MySQL, WordPress and Joomla websites and SharePoint/InfoPath solutions, and ran ISP operations, sales and client support alongside full-time roles.

FEATURED PROJECTS

Three native iOS apps, each independently designed, built and shipped to the Apple App Store, with a live user base spanning 41 countries.

Refuells *iOS • Fuel Management* [View on the App Store ↗](#)

Fuel management platform for iOS featuring a Firebase backend, analytics, home-screen widgets, CloudKit integration, an AI assistant, and a modern SwiftUI architecture.

MoneyCubbi *iOS • Personal Finance* [View on the App Store ↗](#)

Personal finance platform with a subscription architecture, advanced data visualisation and native iOS design that helps users track and manage their money.

AdRadar *iOS • Ad Revenue Analytics* [View on the App Store ↗](#)

Advertising revenue analytics platform integrating the Google AdSense and AdMob APIs to deliver real-time reporting on ad performance and earnings.

PORTFOLIO

80+ web and application projects delivered to date across enterprise, government, education and SMME clients. View the full portfolio online:

guiliodelfava.delteqis.com

AWARDS & RECOGNITION

- Crocoblock — Website Design of the Week (3×), 2020–2021
- Elementor — Design Expert (2020–Present)
- ESET Partner Awards — Gold Award Winner (2×), 2020

EDUCATION & PROFESSIONAL DEVELOPMENT

JumpCloud Certified Administrator · Microsoft MS-900 Certified Professional 2020 – 2021

CompTIA N+, Security+ · CCNA · CCNP · MCSA · MCSE — IT Academy 2019 – 2021

SharePoint 2007/2010 & Microsoft InfoPath — Du Preez Consulting 2009

ITIL v3 Foundation — NSS Training College, Johannesburg 2007

CompTIA A+ — Intec College 2001

National Senior Certificate (Grade 12) — Queen's College Boys' High School 1996

Ongoing self-directed study in software architecture, iOS engineering and AI-assisted development (2006 – present).

ADDITIONAL INFORMATION

Nationality: South African **Driver's Licence:** Code B **Languages:** English, Afrikaans, Xhosa

References available on request.