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Employment

Founder & Lead Engineer **DailyGoal.fit** **Feb 2025 - Present**

- Founded and led the development of a health and fitness tracking platform focused on simplicity, consistency, and meaningful user outcomes.
- Defined the product vision and oversaw all aspects of engineering, UX design, and long-term roadmap planning.
- Designed and implemented a scalable full-stack architecture using **Next.js**, **React 19**, **Supabase**, **AWS**, and **Vercel**.
- Built core features such as food logging, goal tracking, and barcode scanning with integrations like USDA FoodData Central and OpenFoodFacts.
- Designed the database schema to support efficient querying, user-specific goal logic, streak tracking, and historical analytics.
- Developed CI/CD workflows and infrastructure automation to enable rapid iteration and high availability.
- Led user research, customer support, and iterative product improvements based on feedback.
- Drove growth strategy, marketing initiatives, and early-stage community building.

Senior Software Engineer **Genesis Global Technology LTD** **Dec 2019 – Oct 2024**

- Core web platform team member and Technical Lead for the “Learn” team.
- Architected and built multiple web platform iterations, transitioning from legacy **Angular** to **StencilJS**, then to Microsoft FAST with custom **native web components** and **design systems**.
- Collaborated with client teams using **React**, contributing to integrations.
- Mentored developers, onboarded new starters, and provided tier 3 support.
- Contributed to **Genx CLI**, low-code tools, app seeds, and custom **Docusaurus plugins**.
- Occasional DevOps work (**AWS Amplify**, GitHub pipelines, IaC).

Software Engineer **Elemental Concept LTD** **Sep 2018 – Dec 2019**

- Full-stack engineer across multiple projects:
- **CorResilience**: health coaching app with lab and Fitbit integration.
- **WellteQ**: wellness app (**Ionic**, **Cordova**, **Node.js**, **Java**, **MySQL**, **MongoDB**).
- **Gift & Go**: B2B rewards platform (**Java**, **Spring Boot**, **Angular**, **AWS**, **Docker**, **microservices**). Led refactoring, microservice extraction, performance optimization, API development for clients incl. Scientific Games.
- **Go Fast**: internal rapid prototyping toolset (**React**, **Angular**, **NestJS**).

Software Engineer **Enigma Software Solutions LTD** **Feb 2017 – Sep 2018**

- Built and maintained websites and tools for online betting clients: client portals, payment systems, trader and bet management, reporting, and retail cashier systems.
- Focused on **Java** and **SQL** back-end development.
- Maintained legacy systems (PrimeFaces, Oracle WebLogic).

Software Engineer **Safemarket LTD** **Dec 2014 – Oct 2016**

- Designed and developed internal tools and knowledge extraction systems for the Erybo project (**Java**, **SQL**, **RDF**, **Jsoup**, **Selenium**, **Apache Jena**).
- Built automated media processing tools (**Java**, **ffmpeg**), trivia content generators, and entity parsers.
- Developed services and parts of the Quizedia Android app.
- Trained and supervised interns in scraping and quiz generation.

Education

Thessaloniki, Greece

University of Macedonia

Oct 2012 – Oct 2015

BSc In Applied Informatics. Final Grade: 7.7 / 10

Thesis: A study on Optimization of Object-Oriented Design using Genetic Algorithms.

Grade: 10 / 10; Supervisor: Alexander Chatzigeorgiou.

Other Technical Experience

I'm proficient across Windows, macOS, and Linux, and prefer working in the command line whenever possible. I have a strong personal interest in systems architecture, networking, filesystems, databases, and automation. I'm continuously learning and exploring new technologies through hands-on personal projects.

Selected Projects:

- **Homelab:** Built and maintained a Proxmox-based homelab running multiple VMs, including:
 - **TrueNAS VM** with HBA passthrough for an 8-drive **RAIDZ2 NAS**.
 - **Debian VM** running dockerized services: Traefik, Plex, Radarr, Sonarr, Lidarr, SABnzbd, qBittorrent, Filebrowser, Glances, Netdata, Home Assistant, and more.
 - Managed my own network stack: OPNsense router (on N100 box), Pi-hole for DNS-level adblocking, Unbound as recursive resolver, and Omada SDN Controller for access point management.
- **Heuristic Vector Image Generator:** Created a genetic algorithm to recreate images using layered semi-transparent polygons. Developed in Java (multithreaded), with an in-progress **Rust rewrite using portable SIMD**. A web-based version is available at artgen.xyz.
- **FreeCell Solitaire Solver:** Wrote a solver for FreeCell puzzles using custom heuristics and graph traversal algorithms (BFS, DFS, A*, Best-First). (Java)
- **Banknote Authentication:** Designed a neural network in MATLAB to classify banknotes as genuine or forged, achieving 100% accuracy on a UCI dataset.
- **Custom Database Merger:** Built a system to augment a large RDF database (based on Freebase) by scraping websites, performing entity recognition (OpenNLP), and fact extrapolation. (Java, MySQL, RDF)
- **BTC Risk Metric:** Developed a custom Bitcoin risk oscillator, combining metrics like EMA ratios, RSI, Mayer Multiple, Puell Multiple, and others to assess cyclical risk. Published as a TradingView indicator.
- **OpenSCAD Modeling:** Created programmatic 3D models for printing using OpenSCAD, combining scripting with parametric design.
- **Auto Conf Scripts:** Maintained a cross-platform setup automation suite for Linux/macOS. It installs hundreds of dependencies, patches fonts, configures zsh, clones repos, and links dotfiles to streamline new machine provisioning.

Programming Languages

- **Primary focus:** TypeScript / JavaScript (mostly React and Node but have experience with multiple frameworks and native web components too), HTML, CSS, Bash (scripting), Dockerfiles.
- **Previously used professionally:** Java, Kotlin, Python, SQL.
- **Limited experience:** C, C++, R, PHP, MATLAB, SPARQL.
- **Currently learning:** Rust and Elixir.
- Always eager to learn new languages and adapt to different ecosystems.