

Andrew Formosa

An experienced programmer with a lifelong passion for coding and a successful 28-year business career. Seeks to leverage extensive programming, engineering, and business knowledge to transition into a rewarding and purposeful software development role. Committed to contributing technical skills and problem-solving expertise to drive innovation and deliver high-quality software solutions.

CAREER SUMMARY

- ◆ Having started coding at 10 years old, a passion for programming and application development has been a constant for over 38 years. It has proved both an essential skill, contributing to the success of an early career and of my own business, as well as being a favourite pastime pursuit.
- ◆ As an Engineering graduate, achieved early and rapid career progression to senior management level within the manufacturing industry, gaining hands-on, proven experience of improving the performance of business systems, processes, equipment and people over a nine year period.
- ◆ On starting a family, chose to change direction and fulfil a long-held ambition of self employment by founding and running a profitable business successfully for the last 17 years.
- ◆ Now, with a wealth of experience, and ready for a new challenge, am looking for an organisation that can utilise my extensive programming, engineering and business knowledge and offer me the opportunity to fully use and further develop my programming and software development skills.

RECENT SOFTWARE PROJECTS

- **Auto-Blogger** – Created software which enables a blind professional podcaster to automatically and seamlessly, transcribe, summarise, title and post to their WordPress site. All by uploading a simple Audio file. (Node.js, Express, HTML, Vosk, ChatGPT APIs, WordPress APIs, JavaScript,)
- **OPI-1 Chat Bot** - Created a robot companion that resides on the desktop with long term memory, voice recognition and speech capability. (Node.js, OpenAI APIs and Embeddings, Speech synthesis modules)
- **Auto-Coder** – Created an AI coding assistant that can autonomously read, write, append and delete files. It prompts the user for a project description and then loops through the various functions as it tries to achieve it. (Node.js, OpenAI Function calling)
- **Keybo App** – Fully developed and published an educational game to Google Play Store. KEYBO is designed to help teach the position of the notes on a piano keyboard. (C#, Unity, Google Play)
- **Invoicing Application** – Created an implemented an online invoicing system for efficient recording and invoicing of collection and delivery orders. (C# .Net, SQL, JavaScript)

CONTACT

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TECHNICAL SKILLS

Full stack development of:

- Productivity Apps
- Games
- Websites / Web Applications

Technologies used

- Node.js
- Express
- Unity
- OpenAI Function Calling APIs
- Embeddings
- WordPress
- .NET
- MongoDB & Mongoose
- GitHub

Languages used:

- C#
- JavaScript
- HTML
- CSS
- PHP

Verified Certifications

freeCodeCamp.org

- Responsive Web Design
- Javascript Algorithms and Data Structures
- Front End Development Libraries
- Data Visualisation
- Relational Database
- Back End Development and APIs

QUALIFICATIONS

BEng in Engineering (Hons) 2:1
August 1995
Aston University

"A" Levels
Mathematics, Physics, Music
July 1992

WORK HISTORY

December 05 - Current (17 years)

Business Owner and Founder - The Textile Care Co

Established and grown own profitable business for over 17 years. Responsible for all aspects including systems and IT, finance, marketing, sales, operations and logistics. The business provides professional dry cleaning & laundry services to the corporate and domestic market. Operating through online-ordering collection & delivery services, several high-street agents and my main store in Stonehouse, Lanarkshire.

December 03- December 05

Production Manager - PrecisionMicro - Photo Chemical Etching Division

Selected as production manager for a newly consolidated site following substantial success in improving profitability and delivery at the Plates Division. Responsible for operational management (circa 70 employees). Supplying photo-chemically processed components and engineering solutions to a diverse variety of industries, including: automotive, aerospace, telecommunications, medical, defence and fuel cell.

October 02 - December 03

Business Unit Manager - PrecisionMicro - Plates Division

Responsible for the management of the Plates Division business-unit, manufacturing and supplying photo-chemically etched plates to the solder-mask and printed-circuit-heat-exchange (PCHD) industries.

October 01 - October 02

Director - Queventus Ltd

Selected to help setup a management training consultancy in the area of business and profitability improvement through the application of systems and process re-engineering and Six Sigma methodology.

November 00 - October 01

APW Supply Chain Manager

Corus Plc (Reporting to Regional Director)

CORUS corporate representative to APW, responsible for the management and improvement of the CORUS - APW supply chain..

April 98 - November 00

Regional Operations Improvement manager - UK North, Scotland & Ireland - British Steel Distribution

Responsible for the management and leadership of systems and operations improvement project teams throughout the UK North, Scotland and Ireland regions.

October 96 - April 98

Shift Team Leader / Manager -Bellshill, Glasgow - British Steel Distribution

Hands-on management of 30 operatives. Responsible for the improvement of employee health & safety, machine productivity, material-yield, budgets and process costs. on-time delivery, product and service quality and maintenance. Developed full in-house order management and scheduling system.

BUSINESS SKILLS

- Business ownership
- Business management
- Finance & accounting
- Team leadership
- Effective communication
- Problem solving methods
- Systems and operations management
- Systems re-engineering
- Production & quality engineering

OTHER PERSONAL INTERESTS

Science & Technology

I have a strong interest in science and technology and enjoy learning through reading and via online courses.

Arts & Music

I particularly enjoy the creative arts. Having sung in a number of bands, I have supported several well-known artists and made a television appearance. I also compose music. (all genres from pop to orchestral).

Health & Well-being

I exercise regularly and have a strong interest in fitness, nutrition and well-being, which has proved essential during the many years of self employment, I consider myself a friendly, calm, kind and out-going person who enjoys socialising with friends, family and my three wonderful grown up children.

WEB SITE LINKS

Personal Profile



My GitHub



My LinkedIn

