

Matthew QUINN

Personal Summary

Senior Software Developer working in Data Science and Engineering (DSE). Most recently working with Enterprise Java in SOA, before which Python, OpenCV and NiFi in distributed Computer Vision applications. Experience in web development - .NET Core applications with C# and Angular 2 as well as PHP. Constantly furthering personal development and looking for new challenges - I love detail and enjoy crafting useful business tools to aid productivity and profitability. Passionate about data and excited when experimenting with new languages, AI/ML, Computer Vision, Cloud Platforms, Automation and DevOps in order to derive business or social value from new areas.

Key Skills

Languages Comfortable with: C#, Java, Python, PHP, JavaScript, SQL, VBA. Knowledge of: C++, PL/SQL
Technologies .NET Core/.NET Framework, Angular 2, OpenCV, TypeScript, Apache NiFi, Wordpress, VCS (Git, SVN, TFS), Docker, CI/CD & DevOps (Jenkins, Chef, Ansible, Vagrant etc.), Database (MySQL/MariaDB, Oracle, MS SQL Server), Windows/Linux Server Admin, Networking, VMware/Veeam, Powershell

Education

- 2017–2019 **Bsc (Hons) IT Software Development**, *University of the West of Scotland*.
First Class, Recipient: Court Medal
- 2006–2016 **Various**, (2015–2016) *Modern Apprenticeship LV3 - IT & Telecommunications - Youtrain*, (2013–2015) *HNC Computing - Glasgow Clyde College*, (2008–2010) *DipHE Product Design and Innovation - The University of Strathclyde*, (2006–2008) *Scottish Higher Grades - St. Joseph's Academy: English (A); Mathematics (B); Physics (B); Product Design (B); Art and Design (B); Computing (C)*.

Experience

- Jun 2018 - **Senior Software Developer**, *Leidos*.
Present Working within Data Science and Engineering; current project using enterprise Java in SOA for the UK Govt. Previously worked on undersea Machine Vision projects with OpenCV/Java/Python/NiFi including distributed edge computing and optimisation. Enterprise design and development work in C#, .NET Core/.NET Framework and Angular 2 for the UK's largest airport to create a new mobile-first HR web app. Work on legacy C++ and PL/SQL based applications. Engaged in environment management automation w/ Chef/Ansible and development of CI/CD pipelines. *Java, Python, OpenCV, AI & NLP, Docker, Graph Data, C#, .NET Core, Angular 2, JS, C++, PL/SQL, Chef/Vagrant/Ansible, TFS/Git/SVN*
- Sep 2015 - **IT Support Engineer**, *Innovac Ltd*.
Jun 2018 Full stack PHP development e.g. Job/Cert management system for busy haulage firm, SMS text parsing system and BI dashboards for stock management. 3rd line IT support for SMEs, Windows/Linux server and ERP system maintenance, networking. *PHP, Server Admin & Infrastructure, Logical/Physical Networking, 3rd Line IT Support*
- Jan 2014 - **Clerical Officer / Data Quality**, *NHS Ayrshire & Arran*.
Sep 2015 Ran Audit Desk of Medical Records department, liaising with senior clinical staff to facilitate research. Automated various manual data handling processes in Excel/VBA to save hundreds of man-hours. *VBA, Excel, Access*
- 2007–2013 **Various**, 12-13, *Supervisor, Cross Enterprises*. 07-09, *Team Member, Whitbread*. 09-10, *Team Member, Belhaven*. 11-11, *Team Member/Supervisor, Whitbread*. 11-12, *Team Member, Greene King*.

Publications, Awards and Certifications

Papers: British Sign Language Recognition In The Wild Based On Multi-Class SVM. DOI: 10.15439/2019F274. 2019 Federated Conference on Computer Science and Information Systems (FedCSIS)
Awards: Leidos - Spot Award x3; Special Recognition Award (SRA) for work in Global Airports and DSE. UWS: Court Medal
Certifications and Memberships: AWS Certified Developer - Associate (2021), AWS Technical Professional, Veeam VTSP, VMWare VMTSP, Oracle Academy DB Design & SQL Programming

Volunteering, Other Skills and Interests

Volunteering: Career Ready mentor 2019–2021 (mentoring disadvantaged young people aged 14–18 to reach their full potential in the world of work). Guest speaker for select tech talks. **Other:** Homelab and SOTA AI dabbling, FOSS, Graphic Design, PC Gaming & Game Dev, Weightlifting & Boxing, Full clean UK driver's license