

ALEJANDRO ALAS

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PROFESSIONAL PROFILE

Full Stack Software Developer and IT Project Delivery professional with 16+ years of cross-functional infrastructure and systems experience. Proven track record of leading end-to-end technology projects from requirements and stakeholder engagement through to delivery and benefits realisation across multi-site, multi-client environments. Skilled in cross-functional stakeholder management, translating complex technical requirements into practical solutions, and driving continuous improvement. Currently studying Software Engineering at the University of Glasgow while delivering production systems for community organisations across Scotland.

TECHNICAL SKILLS

- **Languages & Frameworks:** JavaScript (ES6+), React, Node.js, Express, TypeScript, Python.
- **Databases & Backend:** PostgreSQL, SQL Server, MongoDB, Firebase.
- **Project & Delivery Tools:** MS Project, Trello, Jira, Scrum/Agile.
- **Development Practices:** Git/GitHub, Authentication & Authorization, CI/CD, Responsive Design.
- **Cloud & Infrastructure:** AWS, Azure, Dokploy, VMware, Docker, Linux.
- **Networking & Security:** CCNA-level networking, Palo Alto, Fortinet NSE.
- **Analytical Tools:** Business Systems Analysis, Requirement Gathering, Data Orchestration for Funders, Agile/Scrum.

FREELANCE SOFTWARE DEVELOPMENT & COMMUNITY TECH (2019 – PRESENT)

A period of professional development dedicated to building and delivering production-grade applications for Scottish community organisations, managing full project lifecycles from stakeholder briefing through to deployment and ongoing support.

Lead Software Developer | Castlemilk Pantry | Glasgow | Mar 2023 – Present

React · Node.js · PostgreSQL · SMS API

- **Project delivery:** Led end-to-end delivery of a membership management platform, coordinating requirements with non-technical stakeholders, managing scope and timelines, and iterating based on user feedback.
- **Membership automation:** Replaced manual weekly Excel tracking with a custom digital system managing 350+ members, including automated check-ins and expiry alerts eliminating error-prone spreadsheet work entirely.
- **Reporting efficiency:** Automated quarterly funder reporting that previously consumed one full working day per week, freeing staff time for direct community service.
- **Workflow Automation:** Designed and built a QR code scanning system and automated SMS notifications to streamline member communication.

Full Stack Developer | Auldhouse Community Church | Glasgow | Jun 2023 – Present

React · Docker · Azure · Dokploy

- **Stakeholder management:** Managed delivery across operational and administrative stakeholders, translating service requirements into a phased technical roadmap with clear milestones and sign-off points.
- **Service capacity:** Delivered a custom application that reduced service queues by 50% and increased the organisation's overall capacity to support the community.
- **Administrative reform:** Replaced paper-based processing with instant digital verification, eliminating hours of manager overtime previously spent on off-site data entry.
- **Cloud migration:** Migrated the application from AWS/Heroku to a self-managed Azure VPS using Docker and Dokploy, reducing costs and improving deployment control.

Software Engineer | Bikes for Refugees (Graduate Project) | Glasgow | 2021 – 2022

React · AWS · Heroku

- **Booking system:** Designed and delivered a full web App booking platform using Scrum methodology, reducing daily administrative workload by 30% and enabling the charity to serve more beneficiaries.

IT Volunteer | Govan Community Project | Glasgow | 2019 – 2021

Digital literacy · IT infrastructure

- **Community support:** Provided hands-on IT support and digital literacy training to community members, helping to reduce the digital divide in Glasgow.

LEGACY IT LEADERSHIP & INFRASTRUCTURE

Information Technology Manager | ANRA S.A. de C.V. | 2018 – 2019

- **Project & vendor management:** Managed cross-functional delivery of IT maintenance programmes across 8 regional facilities, coordinating suppliers, timelines, and operational stakeholders to ensure continuity of service.
- **ERP negotiation:** Led SAP ERP vendor evaluation and negotiations from initial assessment through to contract agreement, collaborating with senior stakeholders across departments.

Information Technology Administrator | JOR S.A. de C.V. | 2016 – 2018

- **Infrastructure delivery:** Planned and delivered hybrid cloud server infrastructure with Azure cloud services to support an enterprise ERP application managing scope, vendor relationships, and technical implementation end-to-end.
- **Network optimisation:** Reviewed and enforced LAN and Wi-Fi network policies to improve corporate connectivity, security, and performance.

Information Technology Manager | Red Fox Las Mercedes | 2009 – 2016

- **Regional project leadership:** Directed IT transformation projects across El Salvador and Guatemala, managing cross-functional teams, budgets, and international vendor relationships over a 7-year period.
- **Large-scale implementation:** Led delivery of a biometric payroll and management system for 1,500 employees, coordinating technical teams, stakeholders and third-party suppliers from design through to go-live.
- **Standardisation:** Led the migration to VMware virtualisation and standardised hardware infrastructure across multiple international facilities.

EDUCATION & QUALIFICATIONS

- BSc Software Engineering | University of Glasgow | Expected 2029
- PDA in Cyber Resilience (SCQF Level 7) | Glasgow Clyde College | 2025
- AI Essentials Track | CodeYourFuture - Google.org AI Opportunity Fund 2025
- Full Stack Web Developer Certificate | CodeYourFuture | 2021 - 2022
- BEng Telecommunications Engineering | University Francisco Gavidia | 2004 - 2008

CERTIFICATIONS

- Cisco Certified Network Associate (CCNA)
- Palo Alto Networks & Fortinet NSE (1, 2, 3) Certifications
- VMware vSphere
- ITIL (Training)

LANGUAGES

- English (Fluent)
- Spanish (Native)