

Michael Calvo

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Objective

To help organizations identify and deliver high value enterprise objectives while adhering to good engineering practices and a sustainable technical roadmap.

Summary

- Experienced in a wide range of technology domains, including machine learning, CI/CD, full stack web development, and data engineering.
- Capable of directing highly technical teams while acting as a main point of contact for business partners and customers.
- Able to translate business processes and pain points into technical solutions. Empathizes with the end users, whether they are business partners, external customers, or other engineers.

Achievements

Data, Integration, and AI lead **Digital Platforms** **May 2021 – Present**

Data, Integration, and AI Lead *Southern Cross Health Society, Auckland, NZ*

- Supports data strategy and data governance for the organization. This includes the creation of a technical roadmap, establishing data/integration practices, and working with delivery teams to ensure new development adheres to these standards.
- Supports delivery of the Azure/Snowflake data warehouse migration.
- Implemented a working PoC of a scalable Azure based AI platform.

Software Engineering Manager **Data & Analytics** **Oct 2018 – March 2021**

IM Software Engineering Manager *Cigna, Philadelphia, PA*

- Manager and technical lead for two big data agile teams and mentored five junior developers.
- Established QA practices and built shared tools that 1) reduced average release time from 60 to 19 days, 2) increased average business acceptance from 50% to 90%, and 3) reduced overall number of incidents during production releases.
- Spearheaded a D&A engagement with Cigna's government line of business. Proposed new epics, performed cost/benefit analysis, identified project sponsors, and drove toward a formal partnership.

Team Lead **Clinical Operations** **Oct 2017 – Oct 2018**

Architecture Sr. Specialist *Cigna, Philadelphia, PA*

- Helped build and lead a team of 5 technologists to deliver one of Cigna's first customer-facing AWS based systems. This team became the foundation of a new agile development organization based in Philadelphia.
- Worked closely with operations and product partners to identify new features that empowered the organization or added new capabilities.

Technical Lead <i>Application Developer Sr. Specialist</i>	Legal IT <i>Cigna, Philadelphia, PA</i>	Aug 2016 - Oct 2017
<ul style="list-style-type: none"> Built a scripting framework to fully automate and monitor the compliance screening process of nearly all arms of Cigna's global operations (United Kingdom, Europe, China, Thailand, Indonesia, Taiwan). Worked with local business, IT, and legal staff of seven different countries to create technical solutions that conformed to regional and global compliance laws and regulations. Designed and built a full stack web application to automate the legal business filing process for new ventures. 		
Systems Analyst <i>Systems Analyst Sr. Specialist</i>	Group Insurance <i>Cigna, Philadelphia, PA</i>	Jan 2016 - Aug 2016 <i>Team disbanded Aug 2016</i>
<ul style="list-style-type: none"> Worked with multiple teams in a highly matrixed organization to understand the complex IT architecture, thus becoming a single point of contact for new technology projects. Built a reporting application proof of concept that integrated with many IT systems and provided cross platform reports to business users. The PoC was adopted as the foundation for the full application. 		
Solution Specialist <i>Application Developer Specialist</i>	Rotational Development Program <i>Cigna, Kwun Tong, Hong Kong</i>	Jan 2015 - Jan 2016
<ul style="list-style-type: none"> Responsible for building a time tracking and reporting application. Collaborated with the finance and project management teams to gather requirements, design the solution, initiate test runs, offer training, and conduct handover. 		
Full Stack Developer <i>Application Developer Specialist</i>	Rotational Development Program <i>Cigna, Glasgow, Scotland, UK</i>	Jan 2014 - Jan 2015
<ul style="list-style-type: none"> Lead developer for version two of the <i>Cigna Envoy</i> mobile application API. At the time, the application had over 10,000 downloads. Worked with systems analysis, project management, and UX staff to design and implement technical solutions for internal needs and new features on the customer facing web portal. 		
Full Stack Developer <i>Application Developer Specialist</i>	Rotational Development Program <i>Cigna, Bloomfield, CT</i>	Jan 2012 - Jan 2014
<ul style="list-style-type: none"> Continuously learned new technologies and built proof of concepts for demonstration to IT leaders and made recommendations for organizational adoption. 		
Research Assistant <i>REU Fellow</i>	Hardware Trustability Team <i>DoD/NSF/UCONN, Storrs, CT</i>	Jun 2011 - Oct 2011
<ul style="list-style-type: none"> Developed an algorithm to detect trojan circuitry installed on military microchips. This algorithm improved the previous detection rate by over 3000% in some cases. 		

Education

Master of Business Administration

Concentration: Business analytics

GPA: 3.92

Temple University
Degree awarded 2021

Bachelor of Science

Majors: Computer Science, Mathematics

Minor: English

GPA: 3.54

Eastern Connecticut State University
Degree awarded 2012

Nominated for "Who's Who in American Universities" award.

Member of Kappa Mu Epsilon national mathematics honor society.

Member of Upsilon Pi Epsilon national computer science honor society.

Dean's List, three consecutive semesters.

Additional Qualifications

- Certified AWS Solution Architect Associate
- Lean Six Sigma Yellow Belt certified and Green Belt trained.
- Founding member of Cigna's Technology Rotational Development Program Innovation Committee.
- Founding member and vice president of the *ECSU App Club*, which builds applications and integrates new technologies into ECSU departments, organizations, and local businesses.

Technical experience

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|-----------|-------------|-------------|--------------|
| • Angular | • AWS | • Azure | • Linux/bash |
| • CSS | • CI/CD | • Docker | • Hadoop |
| • Java | • HTML/JS | • Node.js | • Kubernetes |
| • MongoDB | • OpenShift | • Python | • REST |
| • SQL | • Snowflake | • Terraform | • TypeScript |