



Stephen Whyte

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Summary of Qualifications

An experienced technical leader with proficiency building software engineering teams ranging from start up environments to large corporations. A technology leader with expertise in hardware, software, product development, operations, and security. Capable of being hands-on at all levels with over 22 years in architecture and design. Recognized as a leader that can direct and deliver solutions that impact the business.

Experience

SENIOR SOFTWARE ENGINEER - INTEGRATIONS JAN 2022 - MAY 2023

ATTACKIQ, LOS ALTOS, CA

RESPONSIBLE FOR DEVELOPMENT OF INTEGRATION MANAGER SERVICES USED BY CUSTOMERS FOR TESTING CYBERSECURITY PRODUCTS.

- ▶ Converted Integration Manager from Docker/Docker-compose to Nomad, Vault, Consul and Podman.
- ▶ Converted IM Services from on-premise single tenant to run on Kubernetes environment in multi-tenant.
- ▶ Converted several services from Python to Golang.
- ▶ Added new functionality to Golang daemon that enhanced remote monitoring of services.

SOFTWARE ENGINEERING MANAGER - DATA SERVICES AUG 2020 - JAN 2022

RESERVE TRUST, GREENWOOD VILLAGE, CO

MANAGED TEAM OF ENGINEERS AND DATA ANALYST TO WORK WITH END USERS TO PROVIDE DATA AND REPORTING PRODUCTS.

- ▶ Implemented, documented and executed agile and product development workflows, providing leadership team instant visibility into release deliveries.
- ▶ Worked with external software vendors to source data to ingest into Data Warehouse.
- ▶ Developed API services to organization for ingesting data into report and user interface products.
- ▶ Developed data validation libraries in Go that ensure we are ingesting standards received compliant data.

VP OF ENGINEERING MAR 2019 - MAR 2020

ZVELO, GREENWOOD VILLAGE, CO

DIRECTED ENGINEERING, AI AND OPERATIONS TEAMS IN THE DEVELOPMENT OF ZVELO'S DATA CATEGORIZATION ENGINE.

- ▶ Implemented, documented and executed agile and product development workflows using Jira and Confluence, providing leadership team instant visibility into release deliveries.
- ▶ Evaluated existing Engineering, AI and Operation groups and identified areas to improve through processes, resource management and coaching
- ▶ Led team in the successful deployment of a new Kubernetes cluster that had been attempted for over a year prior to my arrival.
- ▶ Reduced AWS costs by 60%

VICE PRESIDENT OF ENGINEERING AUG 2015 - MAR 2019

MSIGNIA, FRANKLIN, TN

RESPONSIBLE FOR MANAGEMENT OF PRODUCT DEVELOPMENT AND SOFTWARE ENGINEERING INCLUDING SOFTWARE DEVELOPMENT, ARCHITECTURE, QA, DATA ANALYTICS, COMPLIANCE, SUPPORT AND OPERATIONS OF ALL MSIGNIA'S PLATFORMS.

- Defined and continually improved agile software development processes.
- Guided mSIGNIA through PCI DSS 3.2 Certification.
- Guided overall product and technical architecture plans.
- Developed micro services using Java Spring Boot, Go, SQL, NoSQL and RabbitMQ
- Developed complete CI/CD environment with Jenkins, Docker and Kubernetes.
- Developed internal infrastructure provisioning tool in Go.
- Managed internal and external resources.
- Managed budgets of Product Development and Operations.
- Managed mSIGNIA's policies and procedures for engineering including SDLC, operations and compliance.
- Defined corporate policies and procedures in support of compliance initiatives.
- Maintained mSIGNIA's security systems and monitoring.
- Maintained mSIGNIA production systems.

LEAD SERVER ARCHITECT MAY 2015 - AUG 2015

MSIGNIA, FRANKLIN, TN

RESPONSIBLE FOR ALL ASPECTS OF SERVER SIDE DEVELOPMENT, INCLUDING MANAGEMENT OF OFF SHORE DEVELOPERS, AGILE PROCESS, ARCHITECTURE AND OPERATIONS OF THE MOBILE AUTHENTICATION PLATFORM. DEVELOPED POD, A TOOL TO HELP DEFINE COMPLETE DEPLOYMENT INFRASTRUCTURE, WHICH ALLOWED THE COMPANY TO DEFINE THE PROVISIONING OF OUR AWS ENVIRONMENT AND THE DEPLOYMENT AND UPDATING OF DOCKER IMAGES.

- Used AWS (VPC, EC2, S3) for deployment of mobile authentication platform.
- Used Golang for the development of POD, a proprietary container orchestration tool.
- Built docker images for deployment environments.

LEAD ARCHITECT, XOEYE TECHNOLOGIES MAY 2013 - MAY 2015

NASHVILLE, TN

DESIGNED AND BUILT THE COMPANY'S SAAS PRODUCT AND THE INTEGRATION OF XOEYE'S WEARABLE TECHNOLOGIES INTO THESE SERVICES. RESPONSIBLE FOR SETTING UP AGILE AND PRODUCT MANAGEMENT PRACTICES AND BUILDING THE ENGINEERING TEAM.

- Used Grails, AWS (SNS, SQS, EC2, SES, Elastic Beanstalk, Lambda, and S3), NodeJS, Nginx and MongoDB, build SAAS product.
- Developed runtime programs on the wearable platform using Java, Groovy, and Scala.
- Worked with customers to understand and prioritize product development schedule.

CHIEF ENGINEER, CASSIDIAN COMMUNICATIONS APR 2013 - AUG 2013**FRANKLIN, TN**

COLLABORATED WITH CTO OFFICE EVALUATING AND GUIDING TECHNOLOGY CHOICES ACROSS BUSINESS UNITS. DIRECTED ENGINEERING TEAMS TO COMMUNICATE CORPORATE TECHNOLOGY DIRECTION AND THEIR USES.

- Developed strategy around use of GIS tools.
- Developed product strategies with various business units.
- Assisted projects with key architectural implementation including evaluation, negotiation and implementation.

SOFTWARE DEVELOPMENT MGR CASSIDIAN COMMUNICATIONS MAR 2011- APR 2013**FRANKLIN, TN**

RESPONSIBLE FOR THE SOFTWARE DEVELOPMENT OF THE EMERGENCY NOTIFICATION SYSTEM DIVISION, PARTICULARLY THE DESIGN AND DEVELOPMENT OF FRANCE'S EMERGENCY NOTIFICATION SYSTEM (SAIP).

- Built software development staff from scratch.
- Designed overall system architecture for Emergency Notification System.
- Introduced, trained and implemented agile process across corporate engineering team, QA and Project Management staff.
- Built base backend notification provider software API for quick development of various notification methods such as SMS, Voice, Siren, Email, and Road Signs.
- Developed and presented RFPs with company executives to win key contracts.

LEAD ENTERPRISE ARCHITECT, FRANKLIN AMERICAN MORTGAGE FEB 2009 - APR 2011**FRANKLIN, TN**

COLLABORATED WITH CIO/CTO TO PLAN AND DOCUMENT NEXT GENERATION OF LOAN ORIGINATION SYSTEM TO IMPROVE LOAN PROCESSING TIME. MENTORED JUNIOR DEVELOPMENT RESOURCES BY DEVELOPING DOCUMENTATION AND PROVIDING TRAINING TO WORK WITHIN OUR DESIGNED ARCHITECTURE.

- Researched, prototyped, selected and implemented Enterprise Service Bus implementation so that developers could start building end-points, workflows and rules based processing.
- Implemented infrastructure that supported four nines uptime agreements by setting up load balance, redundancy and multiple data center failover.
- Within the first week at the company, fixed old Loan Origination System that had been crashing for months prior to my arrival, reducing database processing by 90%.

VARIOUS PERMANENT AND CONTRACT POSITIONS

- Developed an HR self-service interface to add employees and maintain employee benefits.
- Managed the development of corporate e-commerce website.
- Designed and Implemented Intranet based applications that access corporate Oracle databases using C++ CGI scripts.
- Developed corporate Intranet / Internet projects with Cold Fusion, utilizing advanced security, and Database connectivity using Oracle
- Worked on the conversion and implementation of Oracle Application Software.

Education

Programmer / Analyst Degree — 1992

Ontario Institute of Computer Studies