

WILLIAM HAWKES-ROBINSON

Spokane, Washington

509.481.5437

hawkenterprising@gmail.com

Excel at enabling business leaders to bring to life their ideas from conceptualization to turning them into successful implementations, as well as the bridge between the business and technical staff, whether at a brand new start-up, a large enterprise, or a "startup within an enterprise" department, rapid creation of MVP to production, to enterprise scalability with "five nines" (99.999%) up times.

Extensive experience building entire IT departments from the ground up, or significantly improving the efficacy of existing departments, whether in the enterprise, start-up, or SMB.

Organizations and individuals have benefited from my efficacious alacrity to help them turn their ideas / visions into reality, to help quench existing conflagrations and/or solve problems no one else has been able to address.

Achieving repeated successes working on complex projects with industry partner executives from organizations large and small, including: IBM, Microsoft, Barnes & Noble, Adobe, Amazon, Devon Energy, and many other industry leaders.

Regularly work in close partnership with the top leadership when they need to use technologies to realize their vision for the future, in roles as diverse as Chief Technology Officer (CTO), CIO, CSO, VP, IT Director, Director of Operations, Director of Security, Security Manager, Project Manager, consultant, developer, architect, SysOps, DevOps, systems administrator and in other key senior leadership and hands-on roles, experienced working with highly diverse multinational staff and infrastructure to create new innovations in a wide variety of sectors.

"There are very few CTOs who possess not only the ability to execute complex technical tasks, but the high-level soft knowledge that maintains team cohesion, communication with non-technical partners, and essential support in investor pitch meetings. Mr. Robinson is one of them."

--Ben Dobyns, COO TFN Corporation, CEO ZOE Inc.

Detailed information:

- Detailed Work Experience:
<https://www.hawkenterprising.com/archives/resumes/experience/tech-intro>
- Detailed Skills Inventory:
<https://www.hawkenterprising.com/archives/resumes/web/hawkes-robinson-tech-resume-skills-inventory>
- Testimonials and Recommendations:
<https://www.hawkenterprising.com/archives/resumes/web/recommendations-and-testimonials>

WORK EXPERIENCE SUMMARY

Senior Technical Lead Research and Development Technology Architect

01 / 2021 to Present

LearningMate

India and USA - www.learningmate.com

Supervised & worked daily with teams in India, Canada, Bulgaria, Pennsylvania, Arizona, Washington, & elsewhere. Including full stack development, data systems, encryption, federated communications, SysOps, DevOps, Research & Development (R&D),

architecture & design, documentation, staff interviewing & hiring, new staff & developer onboarding & training, code review, hands-on development, full-stack development, Jitsi, Matrix Federated communications platform, Java, JWT, SSO, ADS, Python, Lua, HTML, JavaScript, TypeScript, React, shell scripts, MySQL, MongoDB, NoSQL, MS SQL, build automation, Terraform, Ansible, Amazon Web Services (AWS), Google Cloud Platform (GCP), Azure Cloud, Ubuntu, Debian, Windows Server, technologies used, and relevant sections for Management, Leadership, Analysis, Design, R&D, and Hands-on.

Details: <https://www.hawkenterprising.com/archives/resumes/experience/learningmate>

MARKETS: Education, Online Education, Communication, Streaming, LMS, and Media

Chief Technology Officer (CTO)

10 / 2016 to 08 / 2021

The Fantasy Network

Bellevue, WA, USA - www.thefantasy.network

Turned the CEO's vision into a reality. The Fantasy Network (TFN) over-the-top (OTT) subscription video-on-demand (SVOD) service delivers creator-owned genre television & film content in a more accessible, shareable, & discoverable way across the web & via IPTV apps on iOS, Apple TV, Roku, Android, Android TV, Amazon Fire, Amazon Prime Video, and many others.

Personally built & developed from scratch, the MVP and 1.0 through 3.0 platform delivering end-to-end interactive movie & live streaming studio & on-site productions, broadcasting, community connected, & supply-chain delivery of physical & digital media products. Developed & implemented customized server, desktop, & mobile platforms. Version 4 extended platform to support large-scale live real-time interactive conventions, communities, tabletop gaming, & other live events worldwide.

Scaled Jitsi & Matrix to over 20,000 concurrent live video chatroom users in conventions/event settings on self-hosted hardware and cloud with customized opensource code. Nearest competitor in Hollywood spent over \$30M & 3 years only to have their platform launch fail catastrophically. We successfully launched while saving TFN more than \$1M USD in initially planned development costs, I was able to deliver entire working platform for only \$10,000 in development costs, using a combination of opensource and custom code in just a few months.

Details: <https://www.hawkenterprising.com/archives/resumes/experience/the-fantasy-network-chief-technology-officer-cto>

MARKETS: Entertainment Media, Live Events, Online Events, Video Conferencing, Multimedia, Streaming, OTT, SVOD, Communication.

CTO, CEO, Founder & Director of Research and Development: Software & Hardware

01 / 2004 to Present

RPG Research 501(c)3 non-profit charity

Spokane, WA, USA - www.rpgresearch.com

Brain-Computer Interface RPG Project www.bcirpg.com - Founded in 2004, building long-term staff from the ground up to over 200 volunteer staff members across 6 continents, supervised more than 30 PhDs on staff. In the software development department, Director of Software Development, lead for software development team of 10 to 20 developers working on Brain-Computer Interface (BCI) ERPG multi-user online turn-based system.

Details: <https://www.hawkenterprising.com/archives/resumes/experience/rpg-research-software-development-director>

MARKETS: Software Development, Research and Development (R&D), Architecture and Design, Develop Team Lead, Brain-Computer Interfaces (BCI), Games, Accessibility, Neurosciences, Electroencephalogram (EEG), Hardware Development.

Chief Architect, Network & Systems Engineer, Sales Engineer, Project Manager

03 / 2010 to 07 / 2018

Interlink Advantage (now Intrinium)

Spokane, WA - www.intrinium.com

Information Security and IT Services company. I directly worked with civilian businesses, healthcare, educational, and government clients with more than 5,000 employees.

Details: <https://www.hawkenterprising.com/archives/resumes/experience/architect-pm-and-other-experience-at-interlink-advantage-now-intrinium>

MARKETS: IT, InfoSec, Consulting, IaaS, SaaS, PaaS, Hosting.

Global Corporate Systems Performance & Security Auditor and Analyst

08 / 2002 to 12 / 2002

Devon Energy Corporation

Oklahoma City, OK, USA - www.dvn.com

Devon Energy is a multinational energy and oil company, with more than 10,000 employees, I personally audited their entire server infrastructure in 4 months, providing detailed reports, presentations, and remediation planning to help them address many serious enterprise-wide performance and security issues.

Details: <https://www.hawkenterprising.com/archives/resumes/experience/architect-pm-and-other-experience-at-interlink-advantage-now-intrinium>

MARKETS: Critical Infrastructure, Engineering, Energy, Oil, Information Security.

Chief Technology Officer (CTO)

09 / 2000 to 02 / 2002

MightyWords Inc. by Fatbrain, later acquired by Barnes & Noble

Santa Clara, California, USA -

<https://web.archive.org/web/20010331055910/http://www1.mightywords.com>

As CTO, managed through entire startup life-cycle from beginning, through industry leadership as the number one online e-book seller, & profitability, to acquisition by Barnes & Noble & final liquidation of all remaining assets. Went from 2 employees (CEO and CTO), to 80+ employees on-shore and off-shore, local and remote. Built entire IT department from scratch, starting with hands-on facilities acquisition, server & network infrastructure, hiring, VAR contracts, and directly responsible & single check-signatory for IT dept. annual budget \$20M+.

Details: <https://www.hawkenterprising.com/archives/resumes/experience/chief-technology-officer-mightywords-inc>

Corporate Architect & Director of Operations

05 / 1999 to 09 / 2000

Franklin Covey Co.

Salt Lake City, UT, USA - <https://www.franklincovey.com>

Started as third-party contractor, hired into IT department as Unix Administrator, rapidly promoted to Manager of Security, then Director of Operations and Corporate Architect.

<https://www.hawkenterprising.com/archives/resumes/web/franklin-covey-inc-via-iti>

<https://www.hawkenterprising.com/archives/resumes/web/franklin-covey-inc-it-dept>

<https://www.hawkenterprising.com/archives/resumes/web/franklin-covey-inc-esd>

<https://www.hawkenterprising.com/archives/resumes/web/franklin-covey-inc-electronic-solutions-div>

<https://www.hawkenterprising.com/archives/resumes/web/franklin-covey-inc>

<https://www.hawkenterprising.com/archives/resumes/web/additional-workshop-and-miscellaneous-courses-training-education-etc>