Blake Carter

Technical Leader & Innovation Executive

drksci.com/c/blake

drksci.com/portfolio

drksci.com/projects

d/rksci

Technical Leader

EXECUTIVE SUMMARY

Hands-on technical leader with organic experience spanning product development, operational excellence, and strategic transformation. Passionate about tackling complex challenges that require deep understanding and versatile execution.

Focused on opportunities with natural fit to experience, tenacity, and disposition to look beyond the status-quo. Thrives on novel challenges, hands-on learning, and doing the hard yards.

LEADERSHIP PHILOSOPHY

the extraordinary   with charisma   to achieve

CHARACTER PROFILE

/ Thrives on novel challenges, hands-on learning opportunities, and doing the hard yards – jumping into the deep end

/ Pursues meaningful work with passion for ground-up understanding, rather than position descriptions

/ Values meaningful stakeholder relationships and dependability as essential foundations

PERSONAL INSIGHTS

Drksci • Aug 2024 - Present

INNOVATION LAB • AI INTEGRATION • DATA VISUALISATION • RAPID PROTOTYPING

Founded d/rksci as an innovation laboratory exploring the intersection of AI, data science, and practical business applications. Specialised in rapidly prototyping novel solutions and transforming ambitious concepts into market-ready realities.

KEY ACCOMPLISHMENTS

/ rained.cloud ⧉ - Historical rainfall data preservation platform (100+ years of weather data)

/ Kareer.app ⧉ - Career development platform with AI-driven insights and personalised guidance

KEY ACCOMPLISHMENTS

/ MapGyver - AI-powered lost person modelling using terrain analysis and behavioural prediction

/ Prophet - Experimental AI consciousness exploration and pattern recognition

/ Princhester Associates - AI-powered consulting and strategic advisory platform

ValuePRO Software • Jan 2022 - Aug 2024 (2 yrs 8 mos)

CONSTELLATION SOFTWARE PORTFOLIO • PROPTECH • PLATFORM MODERNISATION

Revitalised ValuePRO's product portfolio and positioned the company as the premier PropTech solutions partner for the valuation industry following acquisition by Constellation Software.

Led modernisation of highly customised product portfolio including 40+ customised (250k+ LOC) forks of mission-critical software in complex private cloud environment.

KEY ACCOMPLISHMENTS

/   Replatformed and launched alpha successor to legacy (450k+ LOC) core product in under 1 year

/   Achieved eNPS of 8.5–9.5 by shifting team culture to embrace meaningful impacts

/   Delivered SaaS 'rule of 40' throughout significant organisational restructuring

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ValuePRO Software • Jan 2017 - Jan 2022 (5 yrs 1 mo)

TEAM LEADERSHIP • COMPLIANCE • SECURITY • PROFESSIONAL SERVICES

Led development teams in building scalable web applications while maintaining corporate governance and compliance standards across ISO27001 and 9001 certifications.

KEY ACCOMPLISHMENTS

/   Maintained ISO27001 & 9001 certification with zero audit findings

/   Implemented SIEM and EDR security solutions across enterprise infrastructure

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ValuePRO Software • Apr 2016 - Jan 2017 (10 mos)

LEGACY MODERNISATION • DEVOPS • SOURCE CONTROL • PLATFORM ARCHITECTURE

Joined ValuePRO to spearhead platform modernisation and establish foundational systems including CRM, SOPs, source control, and DevOps practices. Evolved role to encompass BAU operations, systems management, offshore team leadership, and key account stewardship.

KEY ACCOMPLISHMENTS

/   Implemented CI/CD pipelines and change management procedures

/   Managed 100:2 consolidation of divergent internal dependency codebases

/   Introduced source control for 150+ legacy codebases

Earlier Career

2003 - 2019

ENTREPRENEURIAL VENTURES • TECHNOLOGY INNOVATION • PLATFORM DEVELOPMENT

/   Lead Software Engineer, Jetval (2018-19) — Azure SaaS architecture

/   GIS Consultant, Proprietor (2016) — AgTech data analysis

/   Co-Founder, Hashfund Limited (2013-15) — Bitcoin exchange platform

/   Director, Maintainable Pty Ltd (2011-12) — Property services integration

/   Operations Manager, P2P Advertising Network (2008-11) — Distributed advertising

/   Co-Founder, Alpha BHO (2008-09) — Browser advertising network

/   Co-Founder, Auxhosting (2006-07) — VPS hosting provider

/   Software Engineer, Proprietor (2003-05) — Freelance development

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CORE COMPETENCIES

LEADERSHIP
P&L • Strategy • Talent

TECHNICAL
DevOps • Cloud • Security

OPERATIONS
Process • Compliance • Scale

INNOVATION
AI • Research • Prototyping

TECHNICAL COMPETENCIES

LANGUAGES
Python • JavaScript • TypeScript • Dart • SQL

FRAMEWORKS
React • Next.js • FastAPI • Flutter • Express

DATABASES
PostgreSQL • SQLite • Redis • TimescaleDB

CLOUD & DEVOPS

Azure • AWS • Docker • Terraform

CI/CD & AUTOMATION
GitHub Actions • GitLab CI

MACHINE LEARNING
TensorFlow • PyTorch • Neural Networks • GIS

E D U C A T I O N

APPROACH
Self-directed • Reverse engineering

METHODOLOGY
Scaling Up • Peer learning

FORMAL
B.A. / B.IT. - UQ (incomplete)

PROGRAMMING
Self-taught (2006 - present)