

Blake Carter

TECHNICAL EXECUTIVE

INNOVATION & RAPID PROTOTYPING



Blake Carter

EXECUTIVE SUMMARY

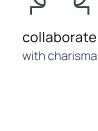
Hands-on technical leader with experience in product development, operations, and strategic transformation. I'm passionate about tackling complex challenges that require a deep understanding and versatile execution.

I'm currently exploring opportunities to apply my tenacity and hands-on skills to new domains. For me, the ability to make a direct impact is my key motivator, which I value over a role's level of seniority as the primary source of my professional growth.

LEADERSHIP VALUES









Thrives on novel challenges, hands-on learning, jumping in the deep end

- Values genuine stakeholder relationships, dependability, and rapport Ready to die-on-the-hill and principle that UI/UX is worth doing well
- Driven by ideas, backed by data-driven acumen

Pursues meaningful work with a passion for ground-up understanding

- WORKING GENIUS 🗹

Travel / Relocate

First PC

Genius

Wonder



Location

First Car



Brisbane

'91 Prelude

Invention





Osbourne 1

Enablement



Tenacity



Galvanising

Frustration



Discernment

Hobby

Weakness

Right to Work / Australian Citizen

Pı	C	f	E

Founder

essional Experience





As Founder of d/rksci, I lead an innovation lab focused on the practical application of Al and data science for business. My work involves hands-on Al Integration, Data Visualisation, and Rapid Prototyping to

Following my promotion to CEO, I was responsible for the company's overall strategy, financial performance, and team culture. I led a large-scale replatforming of 36 core products while maintaining a con-

Directed company-wide technical operations, focusing on security, compliance, and professional services. I led technical teams, managed critical infrastructure, and ensured the company consistently met

Led hands-on development for projects on .NET and Objective-C stacks while providing technical leadership. I introduced modern DevOps practices to the company and also managed the Customer Support

function, using direct client feedback to improve the development process and product quality.

Married





Challenges

transform complex concepts into tangible solutions for market testing. KEY PROJECTS & RESEARCH

Chief Executive Officer

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

d/rksci • Aug 2024 - Present (1 yr 2 mos)

MapGyver 2: Al-powered lost person modelling with terrain analysis and behavioural prediction. Princhester Associates ☑: Al-driven consulting platform for automated strategic advisory services. Prophet 2: Al urban development model with scenario backtesting for land development opportunities.

Kareer.app ☑: Al-agent operating system for personalised career development.

rained.cloud @: Data preservation platform for historical Australian rainfall analysis.

INNOVATION LAB • AI INTEGRATION • DATA VISUALISATION • RAPID PROTOTYPING

- CONSTELLATION SOFTWARE PORTFOLIO PROPTECH PLATFORM MODERNISATION
- sistent 40-50% EBITA margin and a team eNPS of 8.5-9.5. My role included rebuilding the R&D and Professional Services functions to improve performance and align with industry standards.

/ Directed strategic replatforming of 36 core products (~250k LOC each).

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

ISO 27001/9001 certification standards.

/ Rebuilt R&D and Professional Services functions with significant automation. Consistently delivered 40-50% EBITA margin and team eNPS of 8.5-9.5/10.

TEAM LEADERSHIP • COMPLIANCE • SECURITY • PROFESSIONAL SERVICES

KEY ACCOMPLISHMENTS

Operations Manager

KEY ACCOMPLISHMENTS

Implemented Change Management policies, SDLC procedures, and security frameworks. Deployed and managed SIEM and EDR solutions across corporate and cloud infrastructure. Ensured 24/7 stability of Private Cloud and large-scale OLTP database.

Senior Developer / Software Architect

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

LEGACY MODERNISATION • DEVOPS • SOURCE CONTROL • PLATFORM ARCHITECTURE

Managed GRC function including Secure Controls Framework, Essential Eight, and ISO 27001/9001.

Led design and delivery of high-security integrations for Government and enterprise clients.

KEY ACCOMPLISHMENTS

Directed end-to-end customer solutions while leading development and support teams.

/ Executed 100:2 codebase consolidation into two stable, unified master codebases.

Implemented CI/CD pipelines and source control across 150+ codebases.

ENTREPRENEURIAL VENTURES • TECHNOLOGY INNOVATION • PLATFORM DEVELOPMENT

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

TECHNICAL

FRAMEWORKS

METHODOLOGY

Scaling Up • Peer learning

DEVOPS

React • Next.js • FastAPI • Flutter • Express

Atlassian Suite • GitHub • GitLab

DevOps · Cloud · Security

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

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

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

/ Lead Software Engineer, Jetval (2018-19) — Neolending and property valuation platform / 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

DATABASES

FORMAL

MACHINE LEARNING

Prompt Engineering

Process • Compliance • Scale

PostgreSQL • MSSQL • SQLite

PyTorch • LangChain • MCP •

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

P&L • Strategy • Talent INNOVATION Al • Research • Prototyping

CLOUD & INFRASTRUCTURE

Azure • Private Cloud

EDUCATION

APPROACH

LEADERSHIP

LANGUAGES

CORE COMPETENCIES

TECHNICAL COMPETENCIES

Python • C# • JavaScript • TypeScript • SQL

Earlier Career

2003 - 2019

Self-directed • Reverse engineering **PROGRAMMING** Self-taught (2006 - present)

In my experience, you learn more from a quick yarn than you do from a pile of resumes. If you feel the same way, just email or book a time for an open-book conversation. blake@drksci.com

dustrial engineering.

MANTRA

Phone lines are open

Book a meeting

In my professional life, I channel this same energy into building software. More recently, I've become captivated by leveraging Al-assistive workflows to strip away the grind and accelerate the journey from

a raw idea to a real invention. It's an incredible time to be a creator.

I want to believe that we all have the ability to achieve extraordinary things.

I've always been driven by an intense curiosity for what makes things tick. This has led me down some strange and wonderful paths, from being hundreds of meters underground exploring tunnels untouched for a century, to having my head under the hood of a car. I'm fascinated by intricate challenges -whether it's a geological puzzle in a remote landscape or deconstructing an incredible feat of early in-

SEEING IS BELIEVING

Pyramiden Outpost

Pyramiden, RU

Existential polar bear hazard

Aerial Tramway

■ Telluride, CO

Elevated bear danger

Comstock Lode

Virginia City, NV

Search for the Sutro Tunnel

Waukaringa Desert Ghost Town M South Australia

YacDonalds

Ballroom Stope

Hollow Mountain

Carbonate Hill, NM

Tasmania

▶ Nepal

Top 10 Dangerous Roads

Shrine over Annapurna Top 10 Dangerous Roads ▶ Nepal

Concerning Ladder **Underground Manway** British Columbia

Wifetime Stardust Motel Mallace, ID

Cold War

Roswell, NM

Wifetime

Griffith Observatory

■ Hollywood Hills

Abandoned ICBM Silo



Ghost Town

Nevada Border

Bodie, CA

Wifetime

Chateau Marmont

Hollywood Hills, CA

Gravity Observatory

Lost Underground Lab

Mew South Wales

1900s Copper Mine Untouched 2 Queensland

Ghost Car Ghost Town Giant Ore Hopper 3.096m Elevation ■ Leadville, CO

Wolfram Mine **Tasmania** Midnight Sun Abandoned Coal Mine Svalbard, Norway

Terrifying Ladder

Gulliver's Kingdom Abandoned Theme Park Mt. Fuji

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GENERATING ATS TRANSCRIPT... APPLICANT TRACKING SYSTEM DATA EXPORT DATE: 2025-10-07 | TIME: 13:57:37

FORMAT: STRUCTURED TEXT ANALYSIS COMPATIBLE

NAME: Blake Carter TITLE: Technical Leader EMAIL: blake@drksci.com PHONE: Available on request

LOCATION: Brisbane, Queensland, Australia

PORTFOLIO: https://drksci.com

LINKEDIN: https://www.linkedin.com/in/blake-carter-5995ab5a/

[-- PROFESSIONAL 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, jumping in the deep end.

Thrives on novel challenges, hands-on learning, jumping in 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

[-- PROFESSIONAL EXPERIENCE --]

Role: Founder Employer: Drksci Dates: 2024-08-01 - Present

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.

rained.cloud: Historical rainfall data preservation platform (100+ years of weather data)

• <u>Kareer.app</u>: Career development platform with AI-driven insights and personalised guidance

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

- <u>Prophet</u>: Experimental AI consciousness exploration and pattern recognition
 <u>Princhester Associates</u>: AI-powered consulting and strategic advisory platform

Keywords: Innovation Lab, AI Integration, Data Visualisation, Rapid Prototyping, Machine Learning, Artificial Intelligence, Business Intelligence, Product Development, Startup Founder, Technology Strategy

Role: Chief Executive Officer Employer: ValuePRO Software Dates: 2022-01-01 - 2024-08-01

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.

- 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
 Consistent 40-50% EBITA margin and eNPS of 8.5-9.5/10

Keywords: Constellation Software Portfolio, PropTech, Platform Modernisation, Executive Leadership, CEO, Software Engineering, Product Strategy, Digital Transformation, Team Management, P&L Management, EBITA, eNPS, Agile Management

Role: Operations Manager Employer: ValuePRO Software Dates: 2017-01-01 - 2022-01-01

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

• Implemented SIEM and EDR security solutions across enterprise infrastructure

Maintained ISO27001 & 9001 certification with zero audit findings

Keywords: Team Leadership, Compliance, Security, Professional Services, ISO27001, ISO9001, Operations Management, SIEM, EDR, Information Security, Risk Management, Quality Assurance

Role: Senior Software Architect Employer: ValuePRO Software Dates: 2016-04-01 - 2017-01-01

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

Keywords: Legacy Modernisation, DevOps, Source Control, Platform Architecture, CI/CD, Git, Software Architecture, System Integration, Change Management, Enterprise Software, Technical Leadership

[-- EARLIER CAREER --] Dates: 2003 - 2019

• 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

Keywords: Entrepreneurial Ventures, Technology Innovation, Platform Development, Azure, SaaS Architecture, GIS, AgTech, Blockchain, Bitcoin, Fintech, VPS Hosting, Cloud Computing, Software Engineering

[-- SKILLS --] LEADERSHIP:

- Talent
- Executive Management · Team Building
- Change Management TECHNICAL:

- Security • Software Architecture
- CI/CD • Git
- Azure • AWS • Docker
- Kubernetes • Python JavaScript
- React • Node.js
- · Database Design • API Development
- OPERATIONS:
- Process • Compliance

• Scale • ISO27001 • ISO9001 • SIEM

- EDR • Risk Management
- Quality Assurance • Vendor Management
- INNOVATION: • AI

• Research • Prototyping • Machine Learning

• Data Science • Product Development

• Digital Transformation • Startup Operations

[-- EDUCATION --]

Bachelor in Information Technology / Arts University of Queensland • 2006 - Present

through continuous self-study since 2006.

[-- PROFESSIONAL PHILOSOPHY --] Envision: the extraordinary

Self-directed learning approach with focus on practical application and reverse engineering methodology. Programming skills developed

Collaborate: with charisma Persevere: to achieve

[-- PERSONAL INSIGHTS --]

Married: Las Vegas Hobby: Spelunking First car: '91 Prelude First PC: Osbourne 1 Holiday: Waratah, TAS Weakness: Challenges

Location: Brisbane Travel: Willing

END OF TRANSCRIPT

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