SENIOR DATA ENGINEER

Paul Schulz

Data platforms, cloud engineering and AI-ready product systems.

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PROFILE

Hands-on software professional and technology leader with strong experience across the data foundations of SaaS and AI-enabled products. My technical background includes Python, PostgreSQL, MySQL, MongoDB, graph and vector databases, cloud platforms, APIs, RAG architectures and agentic frameworks. I bring end-to-end product context, from data-backed architecture and implementation through security, reliability and commercial use. I'm authoring Method.AI, an AI deployment methodology.

Global engineering
Delivered data and platform engineering initiatives within complex multi-disciplinary teams globally.

GCP
Deep knowledge of BigQuery, Airflow/Compose, DAGS, Dataforms, Python, Medallion architecture, ELT/ETL.

More than data
Extensive platform development, API integration experience ensuring I have a broad perspective of the data lifecycle in a service environment.

ROLE-FIT CAPABILITIES

Python / Airflow / BigQuery / PostgreSQL / MySQL / MongoDB / Graph & vector databases / AWS / GCP / RAG architectures / LLM & agentic systems / APIs & data integration / Security / GDPR / HIPAA / SOC 2 / Medallion data architecture / ELT/ETL / Data governance / Vendor management

SELECTED IMPACT

Data-intensive SaaS platforms
Led technology across cloud products at Skedulo and Perkbox, working with relational, document and API-based systems in multi-market environments.

Data and AI-ready architectures
Current contract client work includes Data Foundry (BigQuery, Airflow (DAGs and Dataforms), Python, Power BI), LLM, RAG and agentic AI systems, with attention to data, security and production delivery.

Hands-on across modern data technologies
Experience includes Python, PostgreSQL, MySQL, MongoDB, graph databases and vector databases across product and platform work.

Engineering and commercial perspective
Connects data and platform decisions to customer needs, product outcomes, operational reliability and business value.

PROFESSIONAL EXPERIENCE

Nov 2025 - Nov 2026
Australia

Technical Lead · MEGT Innovation and Digital Enablement

Lead the architecture, hands-on development and daily operation of the multi-cloud (GCP/AWS) AI-enabled enterprise SaaS platform being developed and deployed nationally at MEGT through the Innovation and Digital Enablement team as part of an overall enterprise-wide digital transformation programme. The GCP aspect of the platform is the Data Foundry, where ELT and AI-enabled micro-services that interface into an Azure environment run. The GCP environment uses Python, Airflow (Python-based) DAGs, Dataforms, GCS and BigQuery, with a Medallion data architecture where PowerBI interfaces into the Gold layer. Delivered an orchestrated, AI-driven candidate assessment microservice using Vertex AI and Gemini. AI coding tools used in the SDLC include Claude, ChatGPT and Copilot.

Technology: TypeScript, React/React Native, AWS/GCP/Azure, AWS Lambda, GCP Cloud Run, Kubernetes, Postgres, Python, GraphQL, Microsoft Graph APIs, Vertex AI/Gemini, BigQuery, Airflow / Cloud Composer, LangChain/LangGraph and LangSmith, enterprise architecture, micro-services, CI/CD, RAG and vector databases, Temporal.io. Compliance: ISO 27001, GDPR, RFFR and SOC 2.

Mar 2025 - Nov 2026
United Kingdom

Principal Engineer · Dotzle (UK)

Led proof of concept work, then the architecture, detailed design and build of a TypeScript-based, agentic B2C platform that catalogues and values household belongings using AI and ML. Brought the team together to create the beta offering, led all sprints and delivered production code as lead engineer. AI coding tools used in the SDLC include Claude and Kimi.

Technology: TypeScript, React/React Native, AWS, AWS Lambda, Kubernetes, Postgres, Python, Anthropic/OpenAI APIs, LangChain/LangGraph and LangSmith, agentic architecture, microservices, CI/CD, RAG, graph and vector databases, WhatsApp and Messenger bot applications, OpenAPI and MCP implementations.

May 2025 - Oct 2025
Australia · Offshore

Interim CTO / Technical Lead · Motor Platform

Led the development and daily operation of Motor Platform's PHP/Laravel, TypeScript, React and React Native marketplace and SaaS offerings on AWS. Partnered with the Head of Product to lead the engineering team in Australia and offshore during a six-month interim CTO engagement.

Jan 2020 - May 2024
UK · US · Australia · Vietnam

Executive VP, Technology and Innovation · Skedulo

Led the end-to-end Product and Technology function for a global workforce management SaaS business. Built a high-performance organisation across four countries with product, UX, customer support, cybersecurity, infrastructure, platform, application and solutions engineering capabilities. Championed the Deskless Productivity Cloud and worked across the business to improve customer outcomes and delivery.

Technology: Kotlin, Node.js, TypeScript, React, React Native, Kubernetes, AWS, serverless, PostgreSQL, Python, GraphQL, Salesforce, ML and generative AI. Compliance: HIPAA, GDPR, SOC 2, ISO 27001.

Mar 2018 - Jan 2020
London · Sheffield · Paris · Sydney

Chief Product and Technology Officer · Perkbox

Led a 100-person product and engineering team delivering an AWS-based SaaS platform across the UK, Ireland, France and Australia, serving thousands of businesses and hundreds of thousands of employees. Combined hands-on technical work with product, people, operational and board-level responsibilities.

Technology: Node.js, React, React Native, Go, TypeScript, Salesforce, PostgreSQL, MongoDB and AWS. Compliance: ISO 27001, GDPR.

Sep 2009 - Dec 2014
London · New York

Founder and CTO · Open Video Ads

Created an open-source initiative for IAB VAST/VPAID-compliant video player technology, then built a commercial business serving millions of video ads daily. Sold the business and technology to JW Player in 2014.

Sep 2009 - Jul 2013
Global

Group CTO · Zattikka

Led technology across five game studios in a social and casual gaming group, managing teams and platforms spanning web and mobile.

Technology: Java, native mobile, C++, AWS, Node.js and TypeScript.

Apr 2002 - Dec 2006
London · Global

Head of Mobile Technology · Yahoo!

Built Yahoo!'s global mobile engineering unit from London and led an organisation of 350+ engineers across the UK, Europe, the US, South America, China, Australia and Southeast Asia. Delivered mobile products including Yahoo! Mail, Yahoo! Finance, the first Yahoo! Mobile Apps and the FIFA World Cup mobile service. Oversaw technology aspects of acquisitions and strategic integrations.

Technology: PHP, C++, native mobile and database technologies.

Feb 2001 - Mar 2002
London, UK

Interim CTO · XTempus

Led technology and product strategy for an early-stage mobile venture through its 2002 exit.

2000
Sydney, Australia

CTO · Talking Point Australia

Led early R&D into natural language processing and agent technology deployed on a JavaCard SIM. The innovation received the Golden Palm award at Mobile World Congress.

1997 - 1999
Sydney · Helsinki

Research and Development Manager · Nokia

Managed Nokia's Australian mobile R&D centre following the acquisition of my consulting company, supporting the integration of the team into Nokia. Delivered multiple complex software projects across the hardware and software lifecycle for mobile devices and mobile network products.

Technology: C++, embedded JVM, JavaScript and Java.

1996 - 1999
Sydney, Australia

Co-Founder and CTO · The Indigo Corporation

Built an object-oriented technology consultancy serving telecommunications and finance clients, including HP R&D, Nokia R&D, Macquarie Bank and FAI. Sold the business to Nokia in 1999 to support its Australian R&D presence.

1993 - 1996
Australia

Senior Consultant · Object Consulting Pty. Ltd.

Delivered object technology and distributed computing consulting, and co-authored Mentor, a full-lifecycle object-oriented methodology.

1989 - 1993
London, UK

Contract Software Engineer · Chase Manhattan Bank

Lead developer for dealing-floor position management software, including development, deployment and operational maintenance.

TECHNICAL BREADTH

Cloud & platform: AWS (including Bedrock), GCP (including Vertex AI), Terraform, serverless, Docker, Kubernetes, infrastructure and cloud-native systems. Languages & application: TypeScript, JavaScript, Node.js, React, React Native, Python, Java, Go, PHP, C++, Swift and Kotlin. Data & integration: PostgreSQL, MySQL, MongoDB, graph and vector databases, REST, GraphQL, RAG and agentic frameworks. Security & compliance: ISO 27001, SOC 2, HIPAA and GDPR. Engineering practices: Git, CI/CD. AI & data: OpenAI, Anthropic, BigQuery, Airflow / Composer and Medallion Architecture. Services & workflows: Micro-services and Temporal.

EDUCATION & ADDITIONAL

B.Inf, Computer Science
Griffith University, Australia · 1987-1989
University Medalist · graduated top of year

Languages
English · Native Japanese · Beginner

Professional interests
Technology-led market disruption, AI and NLP, high-performance team culture, and commercial value through technical excellence.