

Jonathan Jarvis

Engineering Leader, Technology Strategist &
Digital Enthusiast

Melbourne, AUS
(+61) 0473 358 575
jono@jarvis-browne.com.au
<https://jakjarvis.com>
Australian Permanent Residency

EXPERIENCE

TECHNICAL PRODUCT MANAGER, New Products PHM Technology

MAR 2024 - present

Defined software specifications, developed MVPs and advised on company strategy at an established tech startup, making design software for the aerospace and similar complex systems industries.

Defined and delivered multiple low-mid maturity products for requirements elicitation, sales support and R&D.

- Organised and led process walkthroughs with multiple industrial customers and developed a detailed metamodel map between our in house modelling methodology and the SysML modelling language.
- Defined, developed and delivered an integration middleware application between MADE and Cameo (SysML)
- Led development of an MVP for a Discrete Event Simulation forecasting application using Python, [Next.js](https://nextjs.org/) and Postgres

FREELANCE FULL STACK DEVELOPER Jarvis-Browne Software Services

NOV 2023 ongoing (part time)

Working part time while relocating to Australia and undertaking childcare, I co-founded a software consulting partnership to develop and deliver web application and digitisation improvements for local businesses.

- Delivered website with customer portal for Civil Engineering client, using Python Django framework and deployed via AWS Elastic Beanstalk and RDS services.

SENIOR PRODUCT MANAGER, eCommerce Amboss GmbH

JUL 2021 - SEP 2023

Led Product and Engineering projects at a leading provider of medical eLearning.

Delivered major software transformation projects

- Delivered production MVP of new eCommerce platform, on time and to budget
- Successfully led tiger team to implement time critical in-house analytics SDK, addressing a data issue which had crippled product marketing efforts
- Owned and managed the maintenance backlog and team rituals for existing/legacy sales products, maintaining consistently high service KPIs

ENGINEERING MANAGER, Service Engineering **Rolls-Royce Deutschland**

DEC 2018 - MAR 2021

Accountable for all Service Engineering activities related to overhaul for a fleet of 8000+ Jet Engines, including Safety/Reliability Investigations, Engine Manuals, Technical Variances and Life Cycle Cost reduction activities.

Direct manager of up to 35 engineers

- Led the formation of several new engineering groups during organisation transformations, quickly achieving high performance against key KPIs by giving clear organisational structure, process guidance and personal mentoring
- Managed over \$1m pa contract for outsourced engineering work, reducing cost by over \$100k by challenging contractor decisions on prioritisation and processes
- As departmental lead for People Management and Development, I implemented a new capability review process that received 100% positive approval from other people managers.

ENGINEERING MANAGER, Product Lifecycle Analysis **Rolls-Royce Deutschland**

FEB 2018 - NOV 2018

Accountable for all Engineering activities related to lifecycle analysis, such as Reliability modelling, Equipment Health Management and Design for Services.

Direct manager of 16-20 engineers

- As global capability owner for Digital Services development, I led and/or consulted on digital projects across 5 global locations that demonstrated \$10s of millions of cost saving potential to the business.
- I developed and delivered full-day training in Through Life Systems Management for professional engineers, with positive feedback from course participants and their managers
- I effectively reduced the size of my team by 4 engineers without redundancy, using automation and low cost outsourcing to replace retiring/outgoing engineers and reallocating/reprioritising work within the remaining team

TECHNICAL PROGRAM MANAGER, Digital Optimisation **Rolls-Royce, Defence (UK)**

SEP 2016 - JAN 2018

Accountable for a program of work to reduce maintenance costs by developing bespoke modelling software and analytics.

Led delivery of 40m+ GBP savings over 2 years

- I developed the Digital Services Strategy for Defence Aerospace which was approved by the Sector President
- I held technical, schedule and budget accountability for a \$1m pa digital capability programme, delivering 90%+ milestones on time and consistently gaining funding for further projects.
- I initiated and led the delivery of over \$40m in tactical cost saving initiatives over the course of two years
- I formed a team of 8 cross-functional engineers, through hiring, coaching and providing clear goals, resulting in a consistently high performing team.

PRODUCT OWNER, EHM Systems **Rolls-Royce, Defence Aerospace (UK)**

SEP 2014 - AUG 2016

Responsible for the definition, development and deployment of digital Equipment Health Management (EHM) software/ hardware systems on 3 Defence products, combining sensor data with reliability models to anticipate maintenance.

Direct liaison to multiple government/military customers

- Successfully managed the delivery and deployment of the Automated Lifting System to RAAF (Australia), on time and to budget.
- I led the R-R delegation to the FCAS consortium EHM workstream, directly influencing several key design decisions in favour of our company's strategic objectives
- Personally requested by RAF (UK) to support them in User Acceptance Tests for systems provided by other suppliers.

SERVICE ENGINEER, F-35B Liftsystem
Rolls-Royce, Defence Aerospace (UK)

MAY 2012 - AUG 2014

Responsible for Safety and Reliability investigations and sentencing variations from design definition. Delivery Lead for investigations and engine maturity activities, owning the project's maturity KPIs.
Improved investigation times by 40%

GRADUATE ENGINEER
Rolls-Royce, Defence Aerospace (UK)

SEP 2010 - APR 2012

Completed six 3-month placements across multiple business sectors and global locations.
Consistent delivery and strong performance

EDUCATION

Master of Science (MSc)
University of West England

2010 - 2015

Engineering Management (Distinction - 4.0GPA equivalent)
+ Sponsored by Rolls-Royce under CPDA Programme, undertaken part.time

Master of Engineering (MEng)
University of Sheffield

2006 - 2010

Aerospace Engineering (1st Class w/ Honours - 4.0GPA equivalent)
+ Specialism in Aeromechanics, Aerodynamics and Propulsion

CERTIFICATIONS

Certified Scrum Master (CSM®)
Scrum Alliance

2023 - present

Project Management Professional (PMP®)
Project Management Institute (PMI)

2021 - present

Chartered Engineer
UK Engineering Council

2015 - present

SKILLS

Languages: English (fluent), German (competent)

Software: Javascript (inc. React), Python (inc. Django), SQL, AWS, Docker/K8s, Git

Management: Agile and waterfall PM, Coaching and Mentoring, Lean and Quality Management

Engineering: Systems Thinking, Root Cause Analysis, Statistical Analytics

REFERENCES

Available on request