

# *Curriculum Vitae*

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December 3, 2025

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## Previous Experience

Contract roles through PymbleSoftware Pty Ltd since 2008 18 year(s), -1 month(s) .  
(Personal contracts since 1998) 28 year(s), -1 month(s) .



Latest CV

Client: **Mercurien** (Contract)

Technologies: OpenCV, Hadoop<sup>1</sup>, ZooKeeper<sup>2</sup>, Cloud Computing technologies, C++, JSON, REST, AJAX, Eclipse, Java, Ant, Maven, Cisco 3400E, Netgear FVS 336. Bamboo, Maven, Ant, Ruby

**IT Specialist. (network administration, programming, cabling, etc).**

Comments: Evaluated cloud computing technologies. Creating VPNs, production and internal Development/Test subnets. Building Java and C++ ANPR<sup>3</sup> software. Shell scripting in bash, creating Java build plans in Bamboo. Configuration and release management. OS-X Server administration. SVN management. Installing cameras in car parks, porting OpenCV (C++ computer vision) to OpenIndiana<sup>4</sup> (Open Solaris). Some OS-X Objective-C coding. Debugging and fixing some pre-existing Ruby code.

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## AI

Certificate Machine Learning: Build neural networks in 77 lines of code **Udemy**  
Certificate LangChain in Action: Develop LLM-Powered Applications **Udemy**  
Certificate AI in Connected Products (AIOT) **ITM/CSU**  
Certificate Practical AI for Non-Coders **ITM/CSU**  
Certificate Artificial Intelligence and Business Strategy **LinkedIn Learning**  
Certificate Generative AI vs. Traditional AI **LinkedIn Learning**  
Certificate Generative AI Imaging: What Creative Pros Need to Know **LinkedIn Learning**  
Certificate AI Accountability: Build Responsible and Transparent Systems **LinkedIn Learning**  
Certificate Artificial Intelligence Case Studies in Different Business Industries **LinkedIn Learning**  
Certificate AI Pair Programming with GitHub Copilot **LinkedIn Learning**  
Certificate Generative AI for Business Leaders **LinkedIn Learning**  
Certificate TensorFlow: Working with NLP **LinkedIn Learning**  
Certificate Training Neural Networks in C++ (2021) **LinkedIn Learning**  
Certificate Neural Networks and Convolutional Neural Networks Essential Training **LinkedIn Learning**  
Certificate Introduction to Deep Learning with OpenCV **LinkedIn Learning**  
Certificate Machine Learning in Mobile Applications **LinkedIn Learning**  
Certificate Building and Deploying Deep Learning Applications with TensorFlow **LinkedIn Learning**  
Certificate Artificial Intelligence Foundations: Machine Learning **LinkedIn Learning**  
Certificate Leading Responsible AI in Organizations **LinkedIn Learning**  
Certificate Machine Learning and AI Foundations: Value Estimations **LinkedIn Learning**  
Certificate AI Engineering Essentials: Navigating the Tech Revolution **LinkedIn Learning**  
Certificate Artificial Intelligence Foundations: Neural Networks **LinkedIn Learning**  
Certificate Training Neural Networks in C++ **LinkedIn Learning**  
Certificate Training Neural Networks in Python **LinkedIn Learning**  
Certificate Learning XAI: Explainable Artificial Intelligence<sup>5</sup> **LinkedIn Learning**  
Certificate Programming Foundations: Fuzzy Logic **LinkedIn Learning**  
Certificate Using AI in the UX Design Process **LinkedIn Learning**  
Certificate Introduction to Artificial Intelligence **Institute of Applied Technology Digital**  
Certificate Generative AI and its Business Applications **Institute of Applied Technology Digital**  
Certificate Intro to LangChain **Udacity**  
Certificate Zero-Shot and Few-Shot Learning **Udacity**

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<sup>1</sup><https://hadoop.apache.org/>

<sup>2</sup><https://zookeeper.apache.org/>

<sup>3</sup>(Automatic Number Plate Recognition)

<sup>4</sup><https://www.openindiana.org/>

## Publications

Russell R., (2024) "Thirty-five years in Software Development", Kindle from <https://www.amazon.com.au/dp/B0DK4FHMZ4> .

Russell R., (2024) "Thirty-five years in Software Development", Paperback from <https://www.amazon.com/Thirty-five-years-Software-Development-Leadership/dp/B0DP7CR7SV> . ISBN 979-8301444326

Russell R., (2024) "Thirty-five years in Software Development", Hardcover from <https://www.amazon.com/Thirty-five-years-Software-Development-Leadership/dp/B0DPDLWPRC/> . ISBN 979-8301885365

Russell R., (2012) "Programming bada", Kindle, iBooks and PDF file from [www.pymblesoftware.com/book](http://www.pymblesoftware.com/book) .  
[www.pymblesoftware.com/book/bada-short.pdf](http://www.pymblesoftware.com/book/bada-short.pdf) .  
<http://itunes.apple.com/au/book/programming-bada/id543013439?mt=11&ls=1>  
<https://www.amazon.com/Programming-bada-Regan-Russell-ebook/dp/B007LFX608>

Russell R., (Nov 1999) "BeRays: A ray tracer for BeOS", Doctor Dobbs Journal.

Russell, R., & Ryan C (1994) "METAcoder for windows: real-time and multi-pass. event logging and analysis in the social and behavioural sciences." Psychology Teaching Review.

Russell, R., & Ryan C. (1994) "METAcoder for windows: real-time and multi-pass. event logging and analysis in the social and behavioural sciences." Psychology Software News.

Review of Windows NT Device Driver Development Doctor Dobbs electronic review of computer books (ERCB).

Review of The Windows NT Device Driver Book: A Guide for Programmers ERCB.

Review of Developing Windows NT Device Drivers ERCB.

Review of Writing a UNIX Device Driver, Second Edition. ERCB.

Review of Panic: Unix crash dump analysis, ERCB.

Review of Advanced animation and rendering techniques, ERCB

Review of Windows TCP/IP. ERCB

Review of Open source development with CVS. ERCB

Review of System performance tuning. ERCB

Review of Learning the vi editor. ERCB

Review of Ada for experienced programmers. ERCB.

Publications Officer, James Cook University SCUBA Dive Club 1992 - 1993.



Doc Dobbs  
Journal



BeRays  
Article

## Interests

Tennis, Tango, Reading Non-fiction like 'Stolen Focus', Harvard Business Review, Podcasts like 'The Knowledge Project', 'The Finn (Review)', 'Sengoku daimyo', and 'NTI's Japan Real Estate', General Psychology and Economics podcasts, Travel, Outdoors, Playing Ice Hockey, Playing Squash, Snow Skiing, Hiking, Aviation, Sailing, Surfing, Computer Graphics and Parallel and distributed processing and Computer Architecture (especially SIMD, MIMD), hypercubes, CUDA, MPI, PVM, FPGAs, Antique super computers and Mainframes, UNIX kernel internals. Japanese, and French. Playing with Raspberry Pis, Arduinos, Robotics, and managing 6 server racks, routers and various subnets around the house. PADI qualified diver.

## Other information

Previous Defence Clearance, Heavy vehicle license (National), Civilian private helicopter pilots license (CAA ref #425348).

## Board memberships, committees

- Executive committee Ocean Beach Malibu Club 2016 - 2018
- Treasurer, Strata Plan SP11881
- Director, Macquarie University School of Business Consulting club.
- Director, Three Australian companies.



Latest CV



Book: 35  
Years in  
Software  
Development



Book: Pro-  
gramming  
badass



Book a  
meeting  
with me