

# Jared Page

## Curriculum Vitae

Senior Software Engineer  
Mechatronics Engineer

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*I'm a software engineer interested in CyberSecurity, Aerospace, Robotics & Automation.*

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## Experience

### Engineering

- 2018- **Software Engineer**, *Boeing Defence Australia*, Brisbane, Australia.
- Current Working in PhantomWorks International as part of many projects, I have helped progress the development of an advanced airspace awareness system for broad-area Unmanned Aircraft Systems (UAS) operations in addition to securing the network and software stacks of Mission Systems. The role consists of being a full-stack software and site reliability engineer as well as heavy hardware and electronics focus.
- 2014-2018 **Software Engineer**, *IBM*, Gold Coast, Australia.
- Working as an IBM Security expert to support clients worldwide. As part of the Advanced Customer Engineering (ACE) team, I worked with clients to architect, develop & implement bespoke security solutions & software for use in their enterprise environments. I am skilled in translating customer business requirements to technology solutions, and providing this feedback to product development. As part of this role I also contributed to product development in the IBM Security Access Manager (ISAM) platform and the Cloud Identity platform.
- Work in the Integration Factory included development, design and implementation of secure integration patterns for ISAM with many IBM, customer and industry products including IBM MobileFirst Platform, Trusteer Malware/Criminal Detection, Fiberlink MaaS360, AM.NET, Microsoft Sharepoint, IBM Emptoris and IBM WebSphere/Liberty.
- 2012-2014 **Research Engineer**, *University of Queensland*, Brisbane, Australia.
- Work on enhancing flight input response/control for Unmanned Aerial Vehicles (UAVs - Quadrotors) by improving the firmware delivery of the Flight Controller. Work shows improvement in unstable flight situations and increased flight time. Work involved circuit & mechanical design & low level C firmware.
- Other roles involved improving mathematics teaching through the use of technology and online modules for the courses MATH1051 and MATH1052. LAMP + frontend JavaScript stack.
- 2011-2012 **Software/Network Engineer**, *Nortec IT*, Sydney, Australia.
- Implemented a IP Telephony and Utilities billing system at scale. Heavy on automation; customers are able to check their generated Electrical/Water/Gas/Phone bills online in real time. Work included use of PostgreSQL, Visual Basic and Network traffic/flow diagnostics.

### Academic

- 2012-2014 **UQ Engineering Tutor**, *University of Queensland*, Brisbane, Australia.
- METR4202 (Advanced Control and Robotics), METR3800 and METR2800 (Team Projects).

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## Skills

- Solid knowledge around security software engineering, access & identity management.
- Knowledge in maintaining & debugging heavily used cloud systems. Familiar with production roll-out processes.

- Experience in enterprise security architecture. In particular Hybrid-cloud and enterprise micro-service security and On-premise security appliance platform development. Federation/OAuth/SAML patterns.
- Work in biometric authentication with IBM Verify (Mobile Multi-Factor Authentication & Biometric authentication) development. Voice and Fingerprint detection.
- Standard Software Development tools & DevOps processes (i.e. Ansible, Jira & Git) and containerization (Docker/Kubernetes/Vagrant)
- Electronics circuit design experience. Embedded systems design (Digital IO and processor) and programming. Feedback and Control Systems design. Signal/Image Processing and Wireless Analog and Digital Communications (WSNs).

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Languages    Java, C, Python, Shell, HTML5, CSS3, JavaScript, PHP, Markdown, XSLT, C++, C#, nesC, Robot C, PostGresSQL, MySQL, MSSQL, VB.NET, L<sup>A</sup>T<sub>E</sub>X.

## Publications

- The Quadroller - Modeling of a UAV-UGV Hybrid Quadrotor.  
*Jared Page & Paul Pounds.* IROS 2014 in USA.
- A Framework Tool for a Sensor Network Integrated Development Environment (SNIDE).  
*Jared Page, Justin Rahardjo & Matthew D'Souza.* SenSys 2013 in Rome, Italy.
- Patents: On request, I am happy to talk about disclosures or you can search on [patents.google.com](https://patents.google.com)

## Education

- 2020    **Offensive Security Certified Professional**, *Offensive Security*, Brisbane, Australia.  
Certificate Link:
- 2020    **Certified Cisco Networking Professional**, *Cisco Academy*, Online, International.  
Certificate Link:
- 2009-2013    **Dual Bachelor of Engineering/Arts (Mechatronics Major)**, *University of Queensland*, Brisbane, Australia.  
GPA Achieved: 6.1, UQ Excellence Scholarship, ITEE Enabling Scholarship.
- 2010    **Bachelor of Electrical Engineering**, *University of Birmingham*, Birmingham, United Kingdom.  
GPA Achieved: 6.5, Student Exchange Scholarship.
- 2009    **Certificate IV in Business Sales**, *Harvey Norman*, Brisbane, Australia.  
REAL Corporate Partners *through* Harvey Norman.
- 2008    **Queensland Certificate of Education**, *Northside Christian College*, Brisbane, Australia.  
Secondary Education, Overall Position 1 (OP 1).

## References

<b>Trevor Norvill</b>	tnorvill@au1.ibm.com <i>Staff Software Engineer</i>	<b>Scott Andrews</b>	scottand@au1.ibm.com <i>Senior Software Engineer</i>
<b>Caitlin Stephenson</b>	Caitlin.A.Stephenson@boeing.com <i>Project Management Specialist</i>	<b>Dr. Surya Singh</b>	spns@uq.edu.au <i>Senior Lecturer</i>