

# Benjamin Secker

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## Personal Statement

I am an engineer at heart, and always look to find ways to solve problems. I consider myself highly adaptable to any environment or technology and am always open to new ideas. Technologically, I have a wide skill-set, ranging from low-level electronics to high level programming languages and web design. With industry experience, I am a strong communicator and team worker, and am familiar with industry-standard tools and methodologies.

## Work experience

November 2017-March 2018 - **Kordia, Software Developer**

March 2017 - November 2017 - **Electronics/Software Tutor** - Saint Patrick's College, Silverstream

December 2016 - March 2017 - **Aviat Networks - Student Software Engineer**

*My role was in the hardware team, extending Aviat's hardware testing suite.*

Key responsibilities included:

- Performing software coding tasks in high level languages.
- Performing software requirements, analysis and specification tasks including generation of software requirements specifications.
- Software integration and testing tasks.
- Generation of software test specifications.
- Software maintenance and support activities, as required.
- Software configuration control activities, as required.

December 2015 - February 2016 - **Aviat Networks** – Junior Engineering Technician

March 2016 - September 2016 - **Saint Patrick's College, Silverstream** - Cameraman & Video Editor for First XV

August 2014 - Web designer for **www.teresasecker.co.nz**  
Key responsibilities included:

- Designing website frontend and backend
- Hosting website & performing maintenance tasks
- Managing social media

# Notable Projects

**February 2018** - Designed, built and deployed a web app to demo a proprietary IoT system to a government agency.

*Key competencies: Django, Python, Javascript, Vue JS, PostgreSQL, REST, Ansible, Jenkins, FPM, Make, Nginx, WSGI, Linux, Git, Agile*

**February 2018** - Research project: Investigated and evaluated use of different IDaaS providers for internal production servers.

*Key competencies: SAML, Auth0/Okta, LDAP, SSO, Research/Communication, Presentation*

**January 2018** - Installed and administered development/staging ESXi host.

*Key competencies: Server Administration, VLANs, RAID Arrays, switches, VMWare ESXi and VCenter, Linux*

**November 2017** - (home) Designed a home automation and enterprise server setup for personal usage.

*Key competencies: VMs, Proxmox, Game Servers, Security/Firewalls, Arduino, Raspberry Pi, HASS*

**January 2017** - (home) Built my database driven, dynamic personal website, benjamin.secker.nz

*Key competencies: SQLite, Flask, Python, Authentication, External Deployment*

**October 2016** - Designed, Built and demoed a wirelessly controlled single axis wirecam with custom-made gimbal.

*Key competencies: Radio Communication, C++, Arduino, Laser Cutting, Engineering Design Cycle, CAD design*

*More project information, especially home projects, available at <http://benjamin.secker.nz>.*

## Education

2017-present: **Victoria University of Wellington**, Bachelors of Engineering [Honours] specialising in Software Engineering.

2012-2016: **Saint Patrick's College, Silverstream**

## Relevant Achievements

- *Victoria University Vice-Chancellor's Scholarship Award Winner (\$20000 worth)*
- *Victoria University ECS Dean's list 2017*

High School:

- First in Robotics and Digital Technologies
- National Certificate of Educational Achievement (Level 3) achieved with excellence
- Excellence Endorsement in Robotics, Digital Technology
- Merit Endorsement in Mathematics with Calculus, Physics
- First in Design and Visual Communication and Robotics (Level 2)

## Other

- Student member of Institute of Electrical and Electronics Engineers (IEEE) and Engineers New Zealand

## References

Doug Dixon, Manager, Kordia

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Belinda Curran, Manager, Saint Patricks,

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