

Alex Verrico

Full Stack Software Developer

Contact@AlexVerrico.com

About Alex:

Alex is a Full Stack Software Developer, currently working primarily with Python and Javascript in a Web Development context.

Volunteer Experience:

- Founded and served on the committee of the Ballarat Area Robotics League (mid 2019 to early 2022).
- Assisted in delivering the BeConnected program at the Lerderderg Library from January to December 2020, which provides free IT help for Seniors.
- Served on the committee of the Ballarat Hackerspace (early 2021 to early 2022)
- Member of the Scouts Victoria State Abseiling Team, facilitating abseiling activities for all sections of the scouting movement in Victoria (early 2022 to present).

Community Involvement:

- Member of the Ballarat Hackerspace (mid 2015 to early 2022).
- Member of the Bacchus Marsh scout group (early 2018 to late 2019). During this time Alex achieved his Australian Scout Medallion.
- Member of the Ballarat Area Robotics League (mid 2019 to early 2022).
- Member of the Djerriwarrh Venturer Scout Unit (late 2019 to early 2022).
- Member of the Benalla Venturer Scout Unit (early 2022 to late 2022).
- Member of the Wodonga District Rover Scout Unit (mid 2022 to present).

Education:

Certificate IV in Cyber Security
(Federation University, Mt Helen)

Skills:

- Python 3.x (4 years)
- Website Development using HTML, CSS, and JS (4 years)
- Git/GitHub/GitLab (3 years)
- MySQL, MSSQL, SQLite (2 years)
- Bash Scripting (3 years)
- Design and Development of Websites & APIs using Python (Flask+Jinja & Django+DTL) (3 years)
- Debian, Ubuntu, & UnRaid Linux server Administration (3 years)
- Windows & Linux PC administration (4 years)
- Deployment, Configuration, and Maintenance of PCs (3 years) and Servers (2 years)
- Nginx Web Server Administration (3 years)
- Docker (including Docker Compose) (2 years)
- Wireguard VPN Administration (1 year)
- Nextcloud Administration (2 years)
- Domain Administration using Cloudflare (3 years)
- Samba Administration (2 years)

Professional experience:

As the Lead Full Stack Software Developer at AJVTEK (Early 2019 – present), Alex has worked with many different technologies throughout multiple projects, however exact details cannot be provided due to confidentiality agreements.

His responsibilities at AJVTEK have included designing solutions, creating implementation plans, communicating with clients (clarifying requirements, providing advice, progress updates, etc), and managing the delivery of solutions, as well as managing external contractors as required, including conducting interviews & making hiring decisions.

The tech stack that he has primarily worked with in these positions include LA/NMP (Linux, Apache/Nginx, MySQL/MSSQL, Python), as well as working with JavaScript, including Bootstrap, JQuery, and React.js for Front End development.

Alex has also developed extensive internal tooling and automation using a combination of Python and Bash Scripting as part of his role to assist in streamlining the development process to increase client satisfaction.

Prior to working at AJVTEK, Alex also worked as a freelance/contract software developer, primarily creating custom scripts to automate processes using Python and Bash Scripting, and developing websites using Python.

Alex has also worked as a remote Python tutor at levels ranging from Beginners to University Students.

References:

Details of referees can be provided upon request.

More of Alex's work:

You can find more of Alex's work at <https://github.com/AlexVerrico> and <https://alexverrico.com/>

Some projects that Alex has worked on:

- <https://barl.ajvtek.com> - Alex built the website for the Ballarat Area Robotics League in late 2019. The website uses Bootstrap 4, and is hosted on a Debian server running Nginx.
- <https://alexverrico.com/> - Alex's personal website, built using Bootstrap 4 and hosted on GitLab pages.
- <https://github.com/AlexVerrico/CovidParser> - Alex developed this Python library to aid in fetching data about Covid-19 for use in various projects.
- <https://github.com/AlexVerrico/Octoprint-ThermalRunaway> - Alex developed this plugin for the popular 3D Printer monitoring solution OctoPrint after identifying that there was no suitable way to detect if a dangerous heater failure had occurred on a 3D Printer. It currently has 250+ recorded users.