LACHLAN GREVE

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SUMMARY

I am a motivated person who is always interested in the latest technology. A detail-oriented professional with solid knowledge and experience in software development, troubleshooting, deploying cloud native architecture and overhauling structures to keep operations responsive to changing industry and company demands. Expertise in coordinating diverse projects and resources with technical and non-technical aspects to deliver high-quality outcomes. Experienced in meeting deadlines, targets and working under pressure with a high level of awareness and adaptability in fast paced environments.

EDUCATION

Diploma of Information Technology
(Code, Cloud and Cyber Security Bootcamp)
Coder Academy   Mar. 2022

Candidate for Doctor of Philosophy
(Chemical Engineering)
RMIT University   2017 – 2019 (withdrawn)

Bachelor of Engineering
(Chemical)(Hons. 1st Class)
RMIT University   Nov. 2016
- Cumulative GPA: 3.9/4.0

CERTIFICATIONS

- AWS Certified Cloud Practitioner
- Full drivers license

TECHNICAL SKILLS

- Python – Flask & Django
- C++ (Arduino)
- Full stack web development
- HTML & CSS
- SQL and NoSQL Databases
- Git / Source control
- Serverless framework
- Cloud computing: AWS, GCP, Azure
- Docker
- Kubernetes
- Cyber security
- MATLAB
- LaTeX
- GNU/Linux
- Data analysis and manipulation
- Technical documentation
- Automated testing
- Proxmox / L1 virtualisation

PROJECTS

www.asx-db.com | Find it here
Technologies: Python, HTML, CSS, DynamoDB, Lambda

- Cloud native, serverless, full stack web application to search and view financial data of ASX listed companies.
- Built using the serverless framework with Python Flask, AWS Lambda and an auto scaling DynamoDB (noSQL) database.
- Fetches information, cash flow, balance sheet and income statement data automatically by a scheduled lambda event that executes every two minutes.
- Implemented API authorization keys to execute privileged commands.

Battleships | Find it here
Technologies: Python

- Built an end to end, hosted battleships application. Includes a basic TUI and networking implementation.

www.lgreve.com / Home Server | Find it here
Technologies: HTML, CSS, Nginx, Linux, Docker

- Created and hosted a website for myself to demonstrate some of my basic programming skills.
- Registered a domain name and hosted it locally using a Nginx webserver
- Created a home media server consisting of a connected network of *Radarr*, *Sonarr*, *Jackett, qBitorrent* and *Emby* docker containers.

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Experience

Lighting Council Australia   Melbourne, Australia
Corporate Affairs Manager / Consultant   Apr. 2019 – Current

- Corporate Affairs Manager for Australia's lighting industry peak body, representing over 100 manufacturers and distributors. A diverse role that embodied technical, advocacy and administrative responsibilities.

- Provided technical advice and fee-for-service consultation regarding compliance to Australian Standards and regulations. Contributed engineering knowledge by participating in the development of new and revised Standards whilst sitting on four Standards Australia technical committees.

- Established close relationships with industry executives, parliamentarians, and public servants to advocate for policy changes that benefited the lighting industry. Contributed to a team effort which prevented the introduction of regulation which would have cost the industry $480 million in additional compliance cost over a 10-year period.

- Prepared agendas, discussion papers and minutes for board meetings and technical working groups. Established a human centric lighting working group which brought together academics and leading industry representatives to fund research and further advance novel industry sectors in Australia.

- Organised promotional and educational events and materials to help raise funding and public profile of the company. Assisted in organising the National Awards for Excellence in Lighting, a 330-guest gala dinner event, overseeing entertainment, sales, promotion, and sponsorship.

RMIT University   Melbourne, Australia
PhD Candidate   Mar. 2017 – Jan. 2019

- Developed circuits, programmed micro-controllers, and wrote data acquisition programs in JavaScript, C++ and MATLAB for time critical collection of gas sensor calibration data.

- Applied machine learning algorithms to preform dimension reduction of transient sensor responses and built a predictive model capable of quantification and classification of analytes from multi-component mixtures.

- Implemented an innovative design of a custom sparging filter system capable of controlled transport of chemical vapours used for measurements, calibration, and verification (via GC-FID and HPLC) of gas sensing materials.

- Provided fundamental research which led to a patented invention and for the formation of university spin-out company - Atmo Bioscience.

- Received training for the operation of specialist analytical and fabrication equipment including reticulated gas, automated flow meters, reactive ion etching, photolithography, gas chromatography and electron microscopy.

Activities & Volunteering

Student-staff Consultative Committee (S.S.C.C)   Melbourne, Australia
Student Representative   Mar. 2014 – Dec 2016

- Discussed curriculum-related issues and collaborated with staff to help improve course delivery and structure.

Association of Chemical Engineering Students (A.C.E.S)   Melbourne, Australia
Secretary & 3rd Year Committee Member   Apr. 2014 – Dec 2016

- Organised social and professional development events and provided academic support.

Referees

Mr. Richard Mulcahy
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