

Lester Correya

Portfolio - lestercorreya.com

I'm a full stack developer and an Azure engineer with over a year of experience in developing and maintaining full stack web applications with Azure services. I'm adept at writing efficient and clean code in multiple programming languages and always committed to staying current with new technologies and industry trends to continuously improve my skills and deliver outstanding results. In addition to my technical abilities, I am also a strong team player and an excellent problem solver.

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Education

Master of Information Technology | Pursuing |
RMIT University *Melbourne, Victoria, Australia*
(3/4 semesters complete with GPA: 3.83/4)

Bachelor of Engineering | 2018 – 2022 |
DSCE *Bangalore, Karnataka, India*
(Graduated with CGPA: 8.73/10)

Certifications

- **Microsoft Azure Fundamentals**
Microsoft
- **Full Stack Java and Python Course**
Uttara Info Solutions

Experience

- **Application Development Officer** - *RMIT University - Melbourne, Victoria* | January 2024 – Present |
 - Developed and maintained the Program Mapping Tool (PMT), an **Excel VBA** solution enhanced with **Power Automate**, **Power BI**, and **Power Query**, used by all colleges at RMIT, including CoBL, STEM, DSC, and RMIT Vietnam.
 - Integrated **Python** with Excel VBA using **XLwings** to enable complex logical functionalities.
 - Utilized **Selenium** for web scraping program information to automatically predict combinations, majors, and minors that students might complete or have completed.
 - Created user guides, instructional videos, and conducted training sessions to enhance end-user proficiency with custom software solutions, improving overall user adoption.
 - Connected with senior coordinators from each department every two weeks to gather feedback and additional requirements, while maintaining an issue tracker to promptly resolve any user issues.

Technologies Used – Excel VBA, Power Automate, Power BI, Power Query, Python, XLwings, Selenium

- **Junior Backend Engineer** - *Stomble - Sydney, New South Wales (Remote)* | April 2023 – July 2023 |
 - Used **Logic apps** for Triggering actions based on pre-defined schedules, like sending daily reports or weekly reminders to customers and staff.
 - Performed Database migration in **MongoDB** for a large customer dataset using tools such as **mongodump** and **mongorestore** to support new application requirements.
 - Enhanced existing **CI/CD** pipelines in **Azure DevOps** by incorporating tools such as **YAML**, **Azure Repos**, and **Azure Pipelines**, and making modifications to the testing stages to ensure more reliable delivery of high-quality software.
 - Actively participated in **Agile** development processes, including daily stand-ups, sprint planning, and retrospectives, to foster effective collaboration and timely delivery of features.
 - Managed and maintained **Kubernetes Clusters** by incorporating best practices for container orchestration and monitored the health of clusters using **Prometheus** and **Grafana**.
 - Used ARM and Bicep for creating IaC (Infrastructure as Code) templates for provisioning and managing Azure Resources.

Technologies Used – Azure Repos, Azure Pipelines, YAML, Azure Logic Apps, CI/CD, MongoDB, mongodump, mongorestore, Kubernetes, Prometheus, Grafana, ARM, Bicep

- **Associate Software Developer** - *Vah Vah Institute Pvt Ltd - Bangalore, India* | June 2022 – November 2022 |
 - Developed the frontend of an admin portal for a makeup academy, used by 50+ staff members, using **Next.js** and **TypeScript** leveraging both **server-side rendering (SSR)** and **static site generation (SSG)** capabilities.
 - Utilized UI frameworks such as **Material UI** and **Tailwind CSS** to create an aesthetically pleasing frontend.
 - Developed over 50 automated tests for new features using **Jest**, incorporating **React Testing Library**, **Axios**, and **Supertest**.
 - Virtualized test and dev environment servers using **Docker** and coupled it with **Nginx** for load balancing.
 - Contributed to the backend development team, enhancing functionalities using **Python**, **Flask**, and **MongoDB**, while integrating **Redis** for caching and implementing indexing for optimized database performance.

Technologies Used – Next.js, TypeScript, SSR, SSG, Material UI, Tailwind CSS, Jest, React Testing Library, Axios, Supertest, Docker, Nginx, Python, Flask, MongoDB, Redis