

GEEMITHA NUWARAPAKSHAGE

Full Stack Software Engineer | Education | Tech Consulting | Tech Support

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Career Profile

- Resilient, forward-thinking Software Engineer with delivering high-impact, scalable solutions specialising in **Education and Research**
- Proven skills in end-to-end Software development lifecycle and developing enhanced integration workflows through APIs at the University of Melbourne, improving **operational efficiency by 40%** and overall data consistency.
- Skilled in Neota, JavaScript, SQL and Microsoft SQL servers with a focus on delivering scalable and resilient Software applications.
- Passionate about leveraging agile values, emerging technologies and industry best practices to drive customer value.

Skills

- **Programming Languages:** JavaScript, HTML, CSS, Python, Node
- **Frameworks & Libraries:** React.js, Bootstrap
- **SOA/APIs:** Microservices, Web APIs, Postman, RESTful
- **Automation/Containerization:** Docker
- **Agile & Collaboration Tools:** JIRA, Confluence, GitLab
- **Databases:** PostgreSQL, MySQL, SQL Server

Experience

Digital Services Office

VICTORIA UNIVERSITY

2024 – Present

- Developed and deployed the web applications.
- Implemented robust REST API functions to facilitate smooth data exchange and integration with other university systems
- Acted as a knowledge transfer consultant for application solutions and change requests, increasing team productivity and efficiency in addressing new requirements.
- Managed and executed system updates, ensuring smooth integration of new features, enhancements, and bug fixes, while overseeing the installation, upgrading, and maintenance of both hardware and software.

Tech Stack: JavaScript, HTML, CSS, MySQL, PostgreSQL, Python, Git Hub, Agile

Research Domain Developer

THE UNIVERSITY OF MELBOURNE

2022 – 2024

- Developed and deployed the CTRA application, streamlining the clinical trial agreement process for research graduates across the university, resulting in a **25% increase in agreement signings**.
- Implemented robust **REST API functions** to facilitate smooth data exchange and integration with other university systems, improving **data accuracy and accessibility by 30%**.
- Acted as a knowledge transfer Consultant for application solutions and change requests, resulting in an **increase in team productivity and efficiency** in addressing new requirements.
- Collaborating closely with project delivery teams within the Research Domain, while developing trusting relationships with

diverse stakeholders, improving project delivery efficiency.

- Provided system support for Minuet, Elements, Neota, Live Whale, Dynamics 365, ServiceNow and Squiz Matrix, ensuring the stability and functionality of these critical research tools.
- Managed and executed system updates, ensuring smooth integration of new features, enhancements, and bug fixes. Responsible for installing, upgrading, and maintaining both hardware and software.
- Leveraged agile tools such as JIRA and Confluence to define acceptance criteria and track development bottlenecks, improving releases from 1 to 2 per month on average.

Tech Stack: JavaScript, HTML, CSS, Reactjs, MySQL, PostgreSQL, Confluence, JIRA, Git Lab, Agile, Neota, Squiz Matrix, Minuet

Full Stack Developer

INTESOLS - INTELLIGENT SOLUTIONS

2021 - 2022

A marketing agency providing Website design, Development, Mobile applications, social media and PPC Advertising.

- Developed, tested, and implemented new websites, interface and mobile applications, enhancing the functionality of client websites and mobile applications, resulting in a **20% increase in organic rankings**.
- Improved feature robustness and maintained high-quality code standards by implementing Change Requests (CRs) and conducting thorough code reviews.
- Assisting the product owner in facilitating scrum ceremonies including daily stand-ups, sprint planning and backlog refinements.
- Contributed to PPC advertising campaigns by developing landing pages optimized for conversion, which resulted in a **30% increase in lead generation** and a 10% improvement in **campaign ROI**.
- Conducted root cause analysis of issues and reviewed new and existing code, collaborating with experienced team members to **enhance code quality and reduce bugs**.
- Collaborated with cross-functional teams to deliver high-quality web and mobile solutions, incorporating marketing strategies to improve user engagement and conversion rates.

Tech Stack: HTML, PHP, CSS, MySQL, Laravel, and .Net

Full Stack Developer

E-CENTRIC INNOVATIONS PTY LTD

April 2019 - August 2019

e-CentricInnovations (e-Ci) provides IT consulting and implementation services to assist customers in achieving their business goals.

- **Reduced maintenance costs by 12%** through effective management of both front-end and back-end development components, setting up **CI/CD pipelines**, and completing deployments and key migrations to AWS cloud.
- Designed and developed progressive web apps, integrating enhanced UI/UX principles and best practices, which **increased direct website traffic by 22%** within one month.
- Increased application uptime by 12% by successfully completing multiple levels of testing, including unit testing and system integration testing.
- Implemented Confluence as a collaboration tool fully integrated with JIRA and other platforms, identifying risks, issues, and dependencies for each sprint, leading to the successful completion of three releases per month.

Tech Stack: HTML, CSS, React JS, MySQL, Redux, REST APIs

Education

Bachelor of Information Technology (Computer Science & Software Development)

Deakin University – Melbourne November 2017

Professional Memberships & Certifications

Professional Year ICT - Monash Professional Pathways, Melbourne – September 2019

Member – Australian 2018 – Computer Society – August Presen