

# KAVINDU HARSHITHA

Full Stack Developer

+61 45 1570 605 @kavindu@apexkv.com www.apexkv.com Adelaide, South Australia




## SKILLS

Python Django JavaScript React.js  
Node.js MySQL Neo4j MongoDB  
Docker Git API Design  
Microservice Development  
Problem-Solving Teamwork

## LANGUAGES

- English
- Sinhala

## FIND ME ONLINE

-  LinkedIn
-  Github
-  Portfolio

## REFERENCES

### Nilanka Seelawardhana

Senior Project Manager  
Eight25Media  
nilanka@eight25media.com  
+61 42 644 7575

### Bruno Pasqualini

Full Stack Web Developer  
IPM Sistemas  
brunopasqualini\_02@hotmail.com  
+61 43 468 1464

## SUMMARY

Self-taught developer with 5 years of programming experience, skilled in **designing scalable web applications**. I quickly adapt to new technologies, once learning web development in just 2 weeks for a freelance project. Currently studying at the **UniSA**, I'm eager to contribute my problem-solving skills and technical expertise to innovative projects.

## EDUCATION

### Bachelor of Software Engineering

University of South Australia

- Acquired expertise in SQL database design, network configuration with CISCO technologies, and full-stack web development.
- Earned High Distinction in **Data-Driven Web Technologies** and **Data Structures Essentials**, excelling in optimizing software performance.
- Developed advanced skills in implementing algorithms and object-oriented programming, achieving top marks in **Object-Oriented Programming**.

### BSc. Electronic and Telecommunication Engineering

CINEC Campus Sri Lanka

- Acquired foundational knowledge in circuit design, electronics analysis, and control system principles.
- Developed skills in robotics programming, troubleshooting electronic systems, and automating processes through control theories.
- Gained hands-on experience with key technologies in engineering and automation.
- Achieved a **3.4 GPA** prior to transferring to the University of South Australia.

## PROJECTS

### Facebook Clone Project

Developed a highly scalable social media platform inspired by Facebook using a microservices architecture. Achieved significant functionality replication with a focus on performance and modularity.

- Remade ~60% Facebook-like social media platform using microservices architecture, ensuring scalability and modularity.
- Integrated user features such as post creation, friend suggestions, comments, likes, notifications, and real-time chat using Django, Node.js, MySQL, and Neo4j.
- Implemented a post recommendation system that adapts to user interactions, optimizing personalized content delivery.
- Ensured high performance and efficient communication between services with RabbitMQ and Docker.

### ApexMQ Project

Designed and developed a high-level Python library for simplified RabbitMQ integration within Django microservices, making message-based communication easier and more scalable.

- Simplified RabbitMQ (Pika) with an abstraction for easier connection management, publishing, and consuming.
- Cut setup complexity by 40%, enabling management of multiple connections, channels, and queues with one configuration.
- Boosted productivity 2x by removing boilerplate code and adding class-based consumers and action-based decorators.
- Improved microservice communication, reducing development time by 20% for message workflows in Django.