STEVEN WANG

Full Stack Developer | DevOps | Database Administrator

📞 +61 406093925   @ stevenwanggau@gmail.com
🔗 linkedin.com/in/stevenwangg/   📍 Kaleen ACT 2617, Australia

PROFESSIONAL PROFILE

Results-driven Software Developer with experience in full-stack development, web engineering, IT operations, and infrastructure management. Adept at designing and optimizing scalable applications, integrating databases, and implementing secure, high-performance solutions. Proficient in React, Python, NodeJS, JavaScript, HTML, CSS and SQL, with expertise in version control(Git), test automation, and cloud server migrations. Strong ability to enhance system reliability through rigorous testing, performance tuning, and security enhancements. Collaborative team player with hands-on experience in Agile environments, delivering innovative, user-centric solutions that drive efficiency and business growth

EXPERIENCE

Operations Engineering Intern
Ausmate Pty Ltd

06/2021 - 09/2021
Canberra, Australia

- Developed a Python-based automation tool that dynamically converts text input into HTML code, streamlining content management workflows.
- Conducted performance testing using K6, simulating virtual visitor flows to identify server bottlenecks; discovered that 1,000 concurrent visitors caused 100% CPU utilization, leading to optimization strategies.
- Spearheaded website content updates using HTML, CSS, and JavaScript while managing RDS database modifications, ensuring seamless user experience and data integrity.
- Enhanced website security by updating SSL certificates in Baota Linux, eliminating security warnings and improving user trust.
- Worked on cloud server migration from Ali Cloud to China Mobile Cloud, executing backups, provisioning new instances, configuring networking, restoring website and database services, and updating DNS records
- Configured cloud infrastructure in Baota Linux, ensuring secure access, proper resource allocation, and operational transition post-migration
- Strengthened security by implementing automated backup routines, security plugins, and third-party monitoring tools, reducing risks associated with outdated software
- Optimised server infrastructure through CLI-based configurations, improving server accessibility, performance, and maintainability

Web Development Intern
CSIRO – Black Mountain Site

02/2019 - 10/2019
Canberra, Australia

- Developed and enhanced a Django-based web application, implementing new features, UI components, and database integrations to improve system functionality and user experience.
- Learned and applied Django and Neo4j concepts through self-directed online study, accelerating project contributions and technical proficiency
- Collaborated with a cross-functional team in an Agile environment, participating in weekly client meetings to receive new tasks and align on project goals
- Increased test coverage by writing unit tests, improving software reliability and ensuring robust application functionality.
- Designed and implemented frontend features, including forms, pagination, and data visualization, enhancing usability and information accessibility
- Integrated a third-party data visualization package to create interactive graphical representations of document relationships stored in Neo4j
- Styled web interfaces using CSS, improving the visual appeal and responsiveness of the application.
- Fetched and processed data from the Neo4j database, ensuring seamless backend integration and efficient data retrieval.
- Managed Git-based version control, performing pull requests, code reviews, and branch management, ensuring collaboration and quality.

KEY SKILLS

Full-Stack Development ·

Web Application Development ·

Database Management ·

API Integration · Unit Testing ·

Performance Optimization ·

Security Enhancements ·

Continuous Integration ·

Continuous Deployment

LANGUAGES

HTML - CSS- JavaScript

Node.js – Express - React

Tailwind - Rest API - Next.js

SQL - MongoDB - Neo4j

AWS - Kubernetes - Bash

Python - Pytorch - Tensorflow

CERTIFICATION

AWS Certified Solutions Architect
from AWS

AWS Certified Cloud Practitioner
from AWS

CKA: Certified Kubernetes Administrator
from The Linux Foundation

TensorFlow Developer Certificate
from TensorFlow

Java Development from IBM Professional Certificate
from IBM University Program

EXPERIENCE

Web Developer & IT Operations Engineer
11/2014 - 06/2016

Shanghai Mandelin Wedding Ltd
Shanghai, China

- Designed new event pages using HTML, CSS, and PHP, enhancing promotional campaigns and improving customer engagement
- Managed website content, including price adjustments, product and service modifications, to maintain accuracy and relevance.
- Provided technical support and IT maintenance, diagnosing and resolving hardware and software issues, reducing downtime and improving office productivity.
- Configured and deployed new workstations, installing pre-built operating systems, removing unnecessary hardware components, and integrating machines into the existing network infrastructure
- Established and maintained wired and wireless network connections, creating and configuring Ethernet cables and ensuring seamless connectivity between computers, routers, and office devices.
- Resolved critical system issues such as blue screen errors and network connectivity problems, ensuring uninterrupted workflow for employees.
- Trained new employees on company website operations, improving efficiency and reducing the learning curve for business processes.
- Optimized website performance by refining frontend and backend code, ensuring seamless user experience and fast page load times
- Strengthened server infrastructure by managing on-premise hosting, enhancing security, and maintaining uptime.

Assistant Software Developer Intern
07/2011 - 09/2011

China PnR Company Limited
Shanghai, China

- Conducted daily SQL database checks to ensure data accuracy, integrity, and performance, proactively identifying and resolving inconsistencies.
- Developed and executed Java-based test scripts to enhance software testing coverage, improving system reliability and reducing defects.
- Created and maintained salary reports using Excel and SQL, ensuring accurate payroll processing and financial compliance.
- Automated data handling processes in Excel, streamlining salary calculations and reducing manual errors
- Wrote and optimized SQL queries to extract, analyze, and manipulate financial and employee data, improving reporting efficiency

EDUCATION

Master of Computing
02/2017 - 12/2019

Australian National University
Canberra, Australia

Bachelor of Information Technology
09/2009 - 07/2013

East China University of Science and Technology
Shanghai, China

PERSONAL WEBSITE

Find out more on my personal website at

https://portfolio-steven-wang.vercel.app/

COURSES

Machine Learning A-Z: AI, Python& R
provided by Udemy

MIT 6.S191: Introduction to Deep Learning
provided by mit opencourseware

TensorFlow: Advanced Techniques Specialization
provided by coursera

Ultimate AWS Certified Solutions Architect Associate 2025
provided by Udemy

TensorFlow for Deep Learning Bootcamp
provided by Udemy

NodeJS - The Complete Guide (MVC, REST APIs, GraphQL, Deno)
provided by Udemy

ChatGPT Complete Guide: Learn Generative AI, ChatGPT & More
provided by Udemy

The Ultimate React Course 2024: React, Next.js, Redux & More
provided by Udemy

PyTorch for Deep Learning Bootcamp
provided by Udemy

Certified Kubernetes Administrator (CKA) with Practice Tests
provided by Udemy