Han Zong (John) NG

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SUMMARY

Software developer with 5.5+ years of full-stack development experience. Worked with Ruby on Rails (Ruby), Django (Python), ReactJS, PHP, ASP.Net (C#), C, C++, Java, and other software development technologies. Comfortable with **Linux (Debian & Ubuntu)** and **Windows** OS. Graduated with **Bachelor's Degree in Computer Science** from Swinburne University of Technology (Melbourne) in December 2019. Hands-on involved with **System Administration**, **Network Administration**, and **IT Security Implementation**. Fluent in spoken and written **English** and **Chinese Mandarin** languages. Born and raised in **Malaysia**, currently based in **Adelaide, Australia**.

SKILLS

Software development Ruby on Rails (Ruby), Django (Python), REST API, JavaScript, ReactJS, jQuery, PHP, ASP.Net (C#), C, C++, HTML, CSS, PostgreSQL, MySQL.

DevOps GitLab, GitHub, Docker, EngineYard, AWS, Digital Ocean, and various CI/CD tools.

System administration Linux and Windows workstation patch management, Linux server maintenance and OS upgrades, Active Directory (AD) management, server backup & restoration (physical onsite and offsite, VLANs and firewall management, VPN management.

WORK EXPERIENCE

Flinders University, Adelaide Australia
Senior Platform Analyst & Developer
March 2024 – Present (on-going)
Responsibilities:
- Analyse, design, plan, and develop software solutions to support the integration of various third-party SaaS systems.
- **Leading the development project** of a Middleware solution that drives improvement in usability, accuracy, and efficiency of data integration between multiple student facing platforms.
- Maintain and operate both locally and remotely hosted software applications.
- Maintain a fleet of servers (**RedHat**) that are used to host an array of software applications locally.
- Follow Agile (bi-weekly sprint) Methodology.
- CI/CD with GitHub.

Software Leadership, Adelaide Australia
Software Developer

September 2023 – Present (on-going)
Responsibilities:
- Analyse, design, plan, and develop software products for various Australia based small-medium enterprises.
- Front-end (HTML, CSS, JavaScript) and Back-end (Django, Python, PostgreSQL) development.
- Attends face-to-face meetings with clients.
- Involved in product deliverance and operation support.
- CI/CD with docker and GitLab.

Haese Mathematics, Adelaide Australia
IT Programmer
May 2020 – March 2024 (3 years, 11 months)
Responsibilities:
- Lead the IT department as the **acting IT Lead** in place of the IT Manager while she was on her maternity leave (**Apr 2023 - Oct 2023**)
- Develop and maintain in-house software applications (subscription based product) as part of the development team (Ruby on Rails, REST API, ReactJS, C, PostgreSQL, jQuery, JavaScript, Docker, Vagrant, AWS)
- Individually developed standalone software product (data collection and resources provisioning) used by the public users (Python, REST API, SQLite, Docker)
- Improve **application securities** on code, architecture design, and practices
- Agile software development life-cycle (bi-weekly sprint)
- **CI/CD** with GitLab, EngineYard, DigitalOcean, AWS, and Docker
- **System administration** (Microsoft AD, WinRM, AW software, patch management, BURP + ZFS for **backup and restoration**)
- Servers and workstations (Linux and Windows) **patch management**
- Linux servers (Ubuntu and Debian) OS upgrades
- **Network administration** (Firewall, VPN, VLANs management)

Highlightable cases:
- Lead a team of 5 IT staff members to **recover a failing linux based central server** without any data lost to the company.
- Built an **on-prem data backup system** with on-site and off-site backup capability from scratch, well tested with detailed documentation of restoration plan.
- Built a **scalable web application** that communicates with the software application over **REST API** that gives digital product subscriptions (free trial) to the users automatically, saving company staff from manual handling of such instances.
- **Led** an **upgrade project** of an SMB server (**Zentyal**) that has not been done since **Ubuntu 16.04**. Thoroughly tested and revised planning on digital twin before executing the upgrade. The server is now on **Ubuntu 20.04** (latest as of 2023).

Dynamic Creative, Adelaide Australia
Graduate Software Developer
January 2020 – April 2020 (4 months)
Responsibilities:
- Develop and maintain in-house software applications (Ruby-on-Rails, ReactJS, PostgreSQL).
- Follow Agile (bi-weekly sprint) Methodology.
- CI/CD with GitHub, EngineYard.

- Formulate and provide solutions to client specific software requirements.
- Keep APIs up-to-date for e-commerce platforms (eg. Shopify, Magento, WooCommerce).

Language Discovery, Melbourne Australia
Intern Web Developer
January 2019 – January 2020 (1 year)
Responsibilities:
- Develop and maintain ASP.NET applications (ASP.NET, JavaScript, MySQL, C++).
- System design implementation and documentation.
- Graphical user interface design and development (JavaScript, Bootstrap.css).

EDUCATION
Bachelor's Degree of Computer Science
2017 – 2019
Swinburne University of Technology (Melbourne, Australia)

CERTIFICATE
Google IT Support Professional Certificate online via Coursera

EXTRACURRICULAR ACTIVITIES
Swinburne University of Technology
Student Representative Council (SRC): Faculty Leader (FSET) & Undergraduate Representative
January 2019 – December 2019
Responsibilities and Outcomes:
- Provided student experience insights to the Faculty of Science, Engineering, and Technology (FSET)
- Worked with the university department staff members from the faculty to execute actions aiming to increase the standard of education for the university
- Organised 5 formal student-staff meetings to discuss student related issues within the university
- Managed a team of 12 members to work effectively
- Prepared meeting documents (Agenda & minutes)
- Provided induction program to newly elected members

Overseas Christian Fellowships (OCF): Swinburne Centre Club President
September 2018 – October 2019
Responsibilities and Outcomes:
- Chaired and managed the operation of social club
- Managed twice-a-week gathering for club members
- Organised 15+ events including inter-university event of 150+ participants
- Worked with OCF from another 15 universities across Australia to achieve the club's vision
- Organised 10+ meetings and prepare meeting documents

Professional reference can be provided upon request.