

Work Experience

Technology Lead & Full Cycle Software Engineer

Telstra

September 2018 ~ Now (Full time)

Responsibilities

- Work in "Data Exchange Platform" and "Connected Supply Chain" teams incubated in Telstra Enterprise run like small businesses.
- Design and architect data-oriented platform which will be used across different industries and government organisations, with the specific focus on Authentication and Authorisation.
- Lead a team of talented engineers to build and operate the platform using modern technologies (Microsoft Azure, .Net Core, Kubernetes, Open Policy Agent, Envoy).
- Work closely with product owners, business stakeholders and industry partners to create platforms that focus on delivering business values.

Achievements

- I haven't been there long enough, will update shortly :)

Co-founder & Technology Lead

Codellider

February 2017 ~ Now (Part time)

Responsibilities

- Communicating and negotiating with clients to understand the business requirements and find the most cost effective way to solve their business problem.
- Architecting and design solutions on a mainly cloud base infrastructure (AWS, Azure).
- Engineering software and performing code reviews to ensure the quality of the code meets the performance, security and reliability standard.
- Write software as a Developer, automate process as DevOps, maintain and monitor systems we deployed as Operations.

Achievements

- Delivered multiple projects for different sizes of businesses in good quality and efficient cost.
- Designed systems that is highly available, scalable and resilient on AWS platform.
- Able to coordinate different team members with different skillsets to collaborate together efficiently on a remote work basis.

Senior DevOps Engineer

AGL Energy

March 2018 ~ Aug 2018 (Full time)

Responsibilities

- Work in a SAFe Agile environment with cross-functional scrum teams. Be responsible to promote the culture and practices of following the DevOps principle.
- Work with cutting edge platforms and technologies like Microsoft Azure, Kubernetes, Splunk, Prometheus, Auth0, .Net Framework.
- Help to shape enterprise solutions to allow better serviceability, monitoring and alerting to meet the increasing business requirements and demands.
- Writing APIs and Azure Function Apps to enable application health monitoring, log aggregation and stabilise enterprise platforms.
- Produce documentation on system architecture, design and cross-platform integration mechanisms.

Lead DevOps Engineer

Bupa Australia

January 2017 ~ March 2018 (Full time)

Responsibilities

- Provide recommendations about best practices and development processes to developers and operations. Provide help for system architectures and security analysts to make design decisions and improvements.
- Set up enterprise scale CI/CD pipelines with multiple environments. Implement monitoring to development, testing and production environments.
- Promote DevOps culture and workflows on Microsoft Azure and on-premise systems. Giving information sessions about DevOps culture, tools and best practices.
- Automate existing manual tasks to improve deployment efficiency and reliability.
- Work efficiently with multiple teams across multiple expertise and countries.

Achievements

- Improved the CI/CD workflow and process of a major digital transformation project which allowed multiple deployments per day across the whole stack with a large multi-national team.
- Identified multiple architecture improvements and potential security vulnerabilities which helped to improve the quality of the product.

- Delivered technical information sessions and workshops on GIT source control to multiple development teams. Presented benefits to management and business stakeholders which facilitated a top-down transition from TFVC to GIT.

Senior Software Engineer & Solution Architect

Digicap Solutions

September 2012 ~ December 2016 (Full time)

Responsibilities

- Develop and architect software solutions for clients that integrate with different existing systems.
- Communicate directly with clients to seek solutions and manage multiple projects.
- Write server side applications (APIs) in C#, Golang, NodeJS, PHP.
- Write web applications with and without CMS, experienced in JavaScript especially AngularJS.
- Crisis management when something goes wrong like website is attacked.
- Manage cloud based infrastructures on both AWS and Azure, including multiple Linux servers and Azure web applications for multiple clients.
- Setup development, testing and production environments for the team using Vagrant, Docker, Jenkins etc.

Achievements

- Established a container (Docker) driven development and deployment workflow using Docker.
- Designed multiple systems with 1000+ requests per second and high availability and redundancy.
- Developed multiple systems for clients of various sizes and requirements and deliver within a set timeframe.
- Led a development team of up to 5 people using both Waterfall and Agile processes to deliver projects within budget and timeframe most of the time.

Clients and Projects

Lifestyle Communities

ASX public company; real estate; thousands of users each month on website



- Architected and developed their [official website](https://www.lifestylecommunities.com.au) (<https://www.lifestylecommunities.com.au>) using .Net technology and tightly integrate with [Runway](http://www.runway.com.au) (<http://www.runway.com.au>) CRM system
- Set up, configured and currently managing production and staging web instances and database on Azure for multiple assets
- Configured and setup continuous integration and continuous deployment for their assets

McMillan Shakespeare Group

ASX public company; salary packaging, novated leasing, asset management and insurance; multiple projects

- Built and currently managing multiple brochure websites
- Built business portal using .Net technology and AngularJS
- Was able to work with their deployment and QA process
- Participated the planning of complicated system migration
- Managed and helped debugging legacy systems
- Produced reports during and after website incidents

MMS

Oliver Hume Corporation

Property research and advisory firm; multiple projects

- Built multiple websites for multi-million dollar development projects
- Built internal websites for sales and presentation purposes
- Was able to work with tight deadlines and detailed requirements
- Provided innovative solutions to meet business needs on short notices



FMC Mediation and Counseling Victoria

Government founded organisation to help people "take back control over their lives"

- Helped with data analysis and reporting by generating files that used to report to Department of Social Services directly from their system
- Built government-sponsored project [financialfirstaid.org.au](https://www.financialfirstaid.org.au/) (<https://www.financialfirstaid.org.au/>), which was covered by [media](https://www.thesenior.com.au/financial/is-it-time-for-some-financial-first-aid/) (<https://www.thesenior.com.au/financial/is-it-time-for-some-financial-first-aid/>).
- Built and currently managing multiple brochure websites



Sports Dietitians Australia

Sports dietitian accreditation management across Australia

- Architected and built their [official website](https://www.sportsdietitians.com.au/) (<https://www.sportsdietitians.com.au/>), and membership management system using open-source technologies; full AngularJS portal and plenty of API integration between different systems
- Helped to define and optimise membership and accreditation business rules
- Actively maintain and update the website to meet constant changes of business rules



Royal Agricultural Society of Victoria

Event organiser and event venue management

- Built [MelbourneShowgrounds.com](https://www.melbourneshowgrounds.com/) (<https://www.melbourneshowgrounds.com/>), website and helped with site migration
- Participated in skinning the ticketing system for [Royal Melbourne Show](https://royalshow.com.au/) (<https://royalshow.com.au/>).



Software Engineer

Glow (An Engagement Innovation company)

August 2014 ~ June 2016 (1 year 11 months, Part time)

Responsibilities

- Write frontend applications using AngularJS.
- Write unit testing for code written and verify before merge.
- Participate in code reviews and actively seek for better solutions.

Product

Glowfeed

Fast growing [cross platform app and business backend system](https://glowfeed.com/#/) (<https://glowfeed.com/#/>) to help businesses get real-time insights from their customers



- Helped with building website-based portal, which included multiple assets and required both frontend and backend knowledge; AngularJS + Symfony + MongoDB
- Wrote unit tests to help improving the quality of existing applications
- Provided constructive suggestions to project architectures

Information Services Support Technician

University of Nottingham Ningbo China - IT Services

September 2008 ~ May 2012 (3 years 9 months, Part time)

Responsibilities

- Provide IT support for students and staff across the university.
- Regularly inspect computers and printers to ensure their functionalities.
- Provide professional audio equipments setup and configuration support behind the stage for shows and lectures.
- Record and encode videos for lectures and speeches plus simple after-event editing.

Professional Certifications

Professional Scrum Master I

Scrum.org

June 2017

- Solid understanding of the Scrum framework as a Scrum Master.
- Able to efficiently facilitate teams and organisations to adopt and transform to Scrum.

Red Hat Certified Engineer (RHCE)

Red Hat

August 2011 - August 2014

- Demonstrate real hands-on experience on Red Hat based Linux systems.
- Advanced troubleshooting and system diagnosing skills.
- Able to install and configure wide range of system services including iSCSI, HTTP/HTTPS, FTP, NFS, SMB, SMTP, SSH and NTP and various types of databases.

Linux Professional Institute Certification I & II

Linux Professional Institute

September 2009 - September 2013

- Perform advanced system administration, including common tasks regarding the Linux kernel, system startup and maintenance.
- Perform advanced management of block storage and file systems as well as advanced networking and authentication and system security, including firewall and VPN
- Install and configure fundamental network services, including DHCP, DNS, SSH, Web servers, file servers using FTP, NFS and Samba, email delivery
- Supervise assistants and advise management on automation and purchases.

Professional Skills

Languages

Technology	Knowledge Level
Golang ★	5
JavaScript & Typescript (Node, in-browser) ★	5
C#	5
PHP	5
HTML, CSS	5
Powershell & Bash	4
Java	3
Python, C	2
Erlang, Rust, Haskell, Scala	1

Libraries & Frameworks

Technology	Knowledge Level
.Net Framework, Core and Standard (C#)	5
Angular & Angular.js ★ (JS, TS)	4
React.js (JS, TS)	4
Laravel (PHP)	3

Infrastructures & Services

Technology	Knowledge Level
Linux (Debian & RHEL based) ★	5
Microsoft Azure ★	5
Amazon Web Services ★	5
Google Cloud Platform ★	4
Kubernetes & Docker ★	5
Ansible ★	5
Elastic Stack (ELK) ★	4
Apache Kafka & Cassandra	4
MySQL, SQL Server & PostgreSQL	4
Redis	4
Ceph & Glusterfs	4
Windows Server	3
FreeBSD	3
MongoDB	3
RabbitMQ	1

Computer Science & IT Theories

Tools	Knowledge Level
Integration and Design Patterns ★	5
Software and System Architecture ★	5
Network & System Security ★	5
Network Protocols and Services	5
Computer Architecture	4
Cryptography ★	4
Algorithms and Data Structures	4

Education

Monash University

Master of Information Technologies

July 2012 ~ July 2014 (Caulfield Campus)

Highlights

- Specialised in Security and Software Development
- Included a lot of theoretical courses to provide solid Foundations to my existing practical skills
- Achieved highest score in unit "Computer Technology and Operating Systems", which proved solid understanding of computer architecture

Some units taken

- Advanced Network Security
- Network Security
- Computer Technology and Operating Systems
- Network Protocols and Standards
- Data Communications
- Virtual Private Network
- Database Analysis and Processing
- System Analysis and Design
- Information Retrieval Systems
- Internet Applications Development
- Enterprise Application Development for the Web
- Android and iOS Development
- Semi-structured Data Management

University of Nottingham

Bachelor of International Relations and Affairs (with Honours)

September 2008 ~ July 2012 (China Campus)

Highlights

- A lot of presentations and essays that improved my communication skills
- Provided opportunities for me to think and express ideas critically
- Social science, especially politics, taught me how people think and how to deal with them
- A great challenge for me to study a subject that I am not good at but was clearly going to be beneficial

Some units taken

- Diplomacy: Past, Present, Practice
- Strategic Management
- International Business Environment
- International Organisations
- International Political Economy

- The Politics of Development
- Introduction to Business Operations
- The Origins of Capitalism
- Comparative Politics
- Understanding Global Relations
- Issues in Global Relations
- The European Union: Institutions
- Introduction to Analytical Thought

Simplicity is the peak of civilisation.

Find me on [Github](https://github.com/xinsnake) (<https://github.com/xinsnake>), [Bitbucket](https://bitbucket.org/xinsnake) (<https://bitbucket.org/xinsnake>) or [LinkedIn](https://au.linkedin.com/in/xinyun-zhou) (<https://au.linkedin.com/in/xinyun-zhou>).

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