RICHARD CHAO

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ABOUT ME

As a versatile person with a unique background, I am actively seeking opportunities in the tech industry particularly as a software developer. I am currently holding an Australian visa until 2028 with no working restrictions and therefore looking to take this opportunity to start my career in Australia. My experiences have prepared me for a role mainly in full stack engineering with Java at the backend. Aside from Java, I am also working on the CCNA certificate, which I believe is essential for programmers to cooperate with network engineers. Furthermore, I will be taking a course in mobile development too further broaden my view on java in mobile development. I will be undertaking a 2-week Internship in Java development early next year. Hence, I hope to start earliest in February 2025. I am very keen to work on meaningful projects and meeting wonderful people.

SKILLS

- Web Development Backend: JPA Framework, Jakarta Persistence, Java EE (Jakarta EE), Struts, Hibernate, MyBatis, Spring, SpringBoot, JUnit, Thymeleaf, SQL, JSP (EL, JSTL)
- Web Development Frontend: JavaScript, JQuery, AJAX, Vue, Axios, Node.js
- SQL, MySQL, IBM MQ
- Power Automate, Power Apps, SharePoint.
- CNC, CAD, HyperMill, SolidCam, SolidWorks
- English, Chinese, German, Japanese

EXPERIENCE

Pershing Technology Services Corporation	March 2024 – July 2024
Position: Junior Middleware Engineer	Taipei, Taiwan

- Implemented mock Message Queue Structures using IBM MQ for clients ranging from Simple structures to cluster models.
- Shadowed mentors in setting up different databases structures for clients such as the HADR structure using Db2
- Learned about the mindset to troubleshoot and maintenance when using IBM products
- Knowledge and experience on REHL as most clients (banks/universities) use Linux OS

EDUCATION

Technology Boot Camp Gjun Information Technology School (巨匠电脑), Taiwan	Jun 2023 – Jul 2023, Feb 2024 – Dec 2024
Bachelor of Engineering Honors (Aerospace) University of New South Wales (UNSW), Australia	Feb 2018 – Oct 2019, Feb 2022 – May 2023
Exchange Program / Study Abroad Munich University of Applied Sciences (MUAS), Germany	Sep 2019 – Mar 2021
International Baccalaureate (IB) South Island School, Hong Kong	Sep 2010 – May 2017

PROJECTS

Personal Portfolio

- A personal website/portfolio created using HTML and CSS hosted on GitHub Pages.
- Create a timeline using HTML and CSS to show my life events.

CERTIFICATES

Microsoft Azure AI Fundamentals (AI-900)	Mar 2024
Microsoft Security, Compliance, and Identity Fundamentals (SC-900)	Mar 2024
Microsoft Azure Fundamentals (AZ-900)	Feb 2024
Microsoft Azure Data Fundamentals (DP-900)	Jan 2024
Java EE 7 Application Developer	Sep 2023
Java SE 11 Developer (1Z0-819)	Aug 2023
telc Deutsch C1 Hochschule (German)	Jul 2021

RELEVANT COURSES

CCNA (Cisco)

- Build simple LANs, perform basic configurations for routers and switches, and implement IPv4 and IPv6 addressing schemes.
- Configure routers, switches, and end devices to provide access to local and remote network resources and to enable end-to-end connectivity between remote devices.
- Develop critical thinking and problem-solving skills using real equipment and Cisco Packet Tracer.
- Configure and troubleshoot connectivity a small network using security best practices.

INTERNSHIP

Joby Germany GmbH	Jun 2021 – Oct 2021
Position: Engineer Intern	Sauerlach, Germany

- Programming and milling objects using CAD and CNC (HyperMILL) machines.

- Managed tool data base of blades and designed objects in SolidWorks and SolidCAM
- Manipulation of SharePoint lists using Power Automate and Power Apps:
- Designed and created/programmed application using Power Automate and Power Apps:
  - App 1: Stores locations of fixtures on shelves with power app interface and recording them in several SharePoint lists.
  - App 2: Tracks quality of machines regularly and allows reports of problems to be written with choice of different languages available and then recorded in SharePoint list.
- Translate using German and Chinese to communicate with the branch in China and thus discuss Programming problems

5AXperformance GmbH	Jan 2021 - Apr 2021
Position: Engineer Intern	Inning, Germany

- Created my own 3x3 Rubik's cube out of aluminum through CAD and CNC machines.
- Programming of Computer numerical control (CNC/HyperMILL) machines
- Management and execution of CNC programming to drill, thread, milling etc. to produce desired component.
- Proficient with HyperCAD to construct abstract objects (from engineering drawings)
- Strong understanding of finishing of different types of materials/products and its procedures
- Clear grasp of technical drawings from CAD (to manufacture within tolerances)
- Design and manufacture products then simulate and the geometry from created technical drawings.
- Support programming and manufacturing of aerospace development materials.
- Strong understanding of Quality management processes in aerospace development

VOLUNTEER/CHARITY

Little Sisters of the poor (Nursery home)	Jan 2022 – Jun 2023, Sydney, Australia

- Helped/volunteered at Mount St Joseph's Aged Care home, run by the Little Sisters of the poor with various tasks at a nursery home including gardening, cooking wash cars, socializing, and interacting with the residents there.

Work camp	May 2022, Sydney, Australia

- Volunteered to help people in Lismore who were affected by the historical flood for a week. Task included helping people with construction/rebuilding of two houses and a hotel that were submerged for many weeks.

EXTRACURRICULAR

- Hiking and Camping: Attained "The Hong Kong Award for Young people (Bronze)"
- Sports: Hockey (UNSW Hockey team), Tennis, Basketball
- Travelling

OTHER EMPLOYMENTS

Air Force Soldier Military Service (R.O.C Air Force:)	Sep 2023 – Jan 2024 | Chiayi, Taiwan & Taipei, Taiwan
Residential Tutor (Warrane College)	Oct 2022 – Dec 2023 | Sydney, Australia
Merivale (SCG/SFS): Position: Event Staff (Barista, Bartending, Section Waiter)	May 2022 – Jun 2023 | Sydney, Australia
Receptionist (Warrane College)	May 2022 – Jun 2023 | Sydney, Australia
Barista (Starbucks)	Nov 2018 – Jan 2019 | Hong Kong
Floor Staff (Lotus Modern Thai (Bar/Restaurant))	Nov 2018 – Jan 2019 | Hong Kong
U15 Coach (UNSW Hockey Club)	Mar 2018 – Oct 2018 | Sydney, Australia