Jimmy Ma

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SUMMARY

- Senior Backend Engineer with 9+ years' experience delivering scalable SaaS platforms and reliable REST APIs, specialized in Python and rapid development with Django. Proficient in JavaScript, Golang, and Kubernetes operations, with strong focus on operational efficiency, system integrations, and high-quality documentation. Experienced working in full-English environments, with proven ability to collaborate globally.

EXPERIENCE

- **Cloud Range**   Remote — Taipei, Taiwan
  Senior Platform Software Engineer   *Oct 2024 – Dec 2025*
  - **Kubevirt SaaS Platform**: Developed a Kubevirt SaaS platform integrating Kubevirt, Kube-OVN, Multus, and a custom Kubernetes Golang Operator; designed resource management and state tracking so users can create and monitor VMs via a Django interface, improving adoption and reliability.
  - **VMDK to qcow2 conversion tool**: Developed a GitHub Actions-driven toolchain to automate VMDK-to-qcow2 image conversion and uploading, reducing processing time from several hours to 30 minutes per image with parallel conversion. Achieved 75% time savings and improved efficiency in KVM-based environments.
  - **Infrastructure Automation**: Built Terraform modules to provision and test AWS cyber-range environments and used Packer to bake hardened OS images required by the security platform, ensuring consistent deployments for customer exercises.

- **Lenovo**   Taipei, Taiwan
  Senior Backend Software Engineer   *Jul 2022 – Mar 2024*
  - **Share Tool Operations**: Extended the Flask/Vue.js SaaS with MySQL, Redis, Nginx, and Docker, enabling continuous improvements to hardware test workflows.

- **Hipposcreen**   Taipei, Taiwan
  Senior Backend Software Engineer   *Jul 2020 – Jul 2022*
  - **Depression Detection Platform**: Shipped REST APIs and management console with Django REST Framework, Celery, and PostgreSQL, deployed via Docker Compose on Azure with HTTPS.

- **Croxlink**   Taipei, Taiwan
  Backend Software Engineer   *Dec 2017 – Jun 2020*
  - **Supply Chain Platform**: Delivered a Python/Django-based supply chain management system with Celery, PostgreSQL, Redis, and AWS services, owning backend architecture end-to-end.

- **Cloudcube**   Taipei, Taiwan
  Full-Stack Software Engineer   *Aug 2015 – May 2017*
  - **OpenStack Portal**: Implemented a customized OpenStack portal mirroring Horizon features using Python, Django, Flask, JavaScript, AngularJS, HTML, and CSS.

PROJECTS

- **Software Job Note**: Curate beginner-friendly front-end concepts and interview tips; 600+ GitHub stars and top Google ranking for the keyword "軟體工作入門".
- **E-commerce Website**: Launched a Django-based toy store with LINE Login authentication and ECPAY payment integration.
- **URL Shortener API**: Built with FastAPI, PostgreSQL, Redis, and Base62 encoding to create and manage redirectable short links.
- **Open-source contributions**: Contributed I18N code to python-docs-zh-tw and resolved example issues in the Linux Kernel Module Programming Guide.

EDUCATION

- **Fu Jen Catholic University**   New Taipei City, Taiwan
  Bachelor of Science in Physics   *2009 – 2013*