Mike Donnici

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Overview

Experienced software engineer specializing in back-end services with Go and Python. Focused on breaking down complex domain problems and contributing across design, implementation, testing, and operations. Prioritizes clarity over cleverness; delivers functional, maintainable solutions.

Skills

- Languages: Go, Python
- APIs: REST, gRPC
- Data stores: PostgreSQL, MySQL
- Cloud/Infra: GCS, AWS, Linux, Docker
- Geospatial: PostGIS
- Practices: Microservices, API design, domain modeling, CI/CD

Professional Experience

Contracting Back-end Services Developer (Go & Python)
Remote | Jul 2025 – Present

- Build and maintain back-end services and APIs in Go and Python
- Design and implement REST and gRPC endpoints
- Ensure service reliability, scalability, and maintainability
- Collaborate with stakeholders to define requirements and deliver solutions

Senior Software Engineer, Regrow Ag
Remote | Oct 2021 – Jun 2025

- Engineered core back-end services using Go, Python, MySQL, and PostgreSQL
- Integrated with third-party farm management systems
- Re-architected services to improve performance, scalability, and domain alignment
- Collaborated across teams on service definition and design

Geoscience Data Systems Developer, Geological Survey of New South Wales
Remote | Nov 2020 – Oct 2021

- Developed public-facing web applications with Python, PostgreSQL, GeoServer, and Angular
- Managed servers and DevOps with AWS, Linux, and SaltStack

- Collaborated with geoscience data team on application feature design and development
- Worked with geospatial tools and workflows

Senior Software Engineer, Humanetix
Canberra & Remote | Sep 2019 – Nov 2020

- Engineered microservices for a healthcare application using Go, Kotlin, PostgreSQL, and Kafka
- Developed a prototype data analysis component in Python
- Supported DevOps tasks including AWS, Linux, Docker, and Jenkins

Online Service Manager, Cardiac Society of Australia and New Zealand
Sydney & Remote | Feb 2014 – Sep 2019

- Maintained and supported a custom CPD application (PHP, MySQL, AWS, Heroku)
- Transitioned a monolith to front- and back-end services using Go and Vue

Owner / Director, Mesa
Sydney & Remote | 2000 – 2018

- Managed a diverse range of web and LAMP stack projects
- Provided Linux systems administration

Network Support Technician, SouthWest ComputeAble
Margaret River | 1998 – 2000

- Repaired and maintained computer, server, and printer hardware
- Delivered business networking solutions as a Microsoft Certified Systems Engineer
- Installed and supported networks for business clients

Data Cabling Technician, Cocom
Port Macquarie | 1997 – 1998

- Installed and tested coaxial and Category 5 cabling
- Assisted with contract network support for Base Hospital and other clients

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Education

Continuous Professional Development, Autodidact School of Self-Driven Learning
Remote | 2000 – present

Microsoft Certified Systems Engineer (NT4.0)
Remote | 2000

Graduate Certificate in Computing, Monash University
Distance | 1998

Bachelor of Science in Agriculture (Crop Science), University of Sydney
Camperdown | 1992