

Paul Deng

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PROFILE

I am team lead of Internet of Things (IoT) and embedded at Gallagher eShepherd. With 16+ years battle-hardened experience, I am an expert in embedded computing, connecting devices to the internet and integrating with cloud services in a reliable, scalable, secure and efficient manner.

WORK EXPERIENCE

2019 – 2025	Gallagher eShepherd , <i>Senior IoT Cloud Engineer --> Team Lead</i>
2015 – 2019	Freestyle Technology , <i>Embedded Software Engineer</i>
2010 – 2015	Intercel , <i>Senior Software Engineer</i>
2008 – 2010	Daintree Networks , <i>Software Engineer</i>

SKILLS

Embedded

C, Contiki, Arduino, ESP8266/32, ATSAM4, Nordic ...

Cloud

Node.js, Node-RED, MQTT, AMQP, Protobuf, Redis ...

Linux

Ubuntu, Debian, OpenWrt, Bash, Yocto, Buildroot ...

IoT Wireless Protocols

LoRa/LoRaWAN, LTE-M, NB-IoT/NTN, ZigBee, BLE ...

CERTIFICATES

AWS Certified Developer, Solution Architect

2014, 2015

The Things Certified Engineer

2021

Microsoft Azure IoT Developer

2022

AWARDS AND PATENTS

2014	603246 , <i>Intellectual Property Office of New Zealand</i>
2011	Finalist , <i>Shell Australian Innovation Challenge</i>

SELECTED PUBLICATIONS

2024	Practical Python Programming for IoT 2nd , <i>Packt</i>
2023	Edge Computing Technology and Applications , <i>Manning</i> 
2022	IoT & Edge Computing for Architects: 2nd , <i>Packt</i> 

EDUCATION

2014 – Present	Continuous learning Cloud, Android, Data Mining, Machine Learning, Golang, Yocto, AI, LLM...
2006 – 2008	University of Melbourne , <i>Master of Engineering in Distributed Computing</i>