

Paul Deng

 Melbourne, Australia  pauldeng  paul@dengpeng.de  dengpeng.de

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 – Present **Gallagher eShepherd**, *Senior IoT Cloud Engineer --> Team Lead (13 direct report)*

2015 – 2019 **Freestyle Technology**, *Embedded Software Engineer*

2010 – 2015 **Intercel**, *Senior Software Engineer*

2008 – 2010 **Daintree Networks**, *Software Engineer*

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**, *Intellectual Property Office of New Zealand*

2011 **Finalist**, *Shell Australian Innovation Challenge*

SELECTED PUBLICATIONS

2024 **Practical Python Programming for IoT 2nd**, *Packt*

2023 **Edge Computing Technology and Applications** , *Manning*

2022 **IoT & Edge Computing for Architects: 2nd** , *Packt*

EDUCATION

2014 – Present **Continuous learning**
Cloud, Android, Data Mining, Machine Learning, Golang, Yocto, AI, LLM...

2006 – 2008 **University of Melbourne**, *Master of Engineering in Distributed Computing*