





Paul Deng

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PROFILE

I am an Internet of Things (IoT) Cloud software engineer.

With 14+ 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.

PROFESSIONAL EXPERIENCE

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| 2019 – present | Gallagher eShepherd , <i>Senior IoT Cloud Engineer</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-RED, MQTT, AMQP, Protobuf, Redis, OpenVPN

Linux

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

IoT Wireless Protocols

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

CERTIFICATES

AWS Certified Developer, Solution Architect

2014, 2015

The Things Certified Engineer

2021

Azure IoT Developer Specialty

2022

AWARDS AND PATENTS

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

SELECTED PUBLICATIONS

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| 2022 | IoT & Edge Computing for Architects: 2nd, 3rd , <i>Packt Publishing</i> |
| 2016 | AWS Administration - The Definitive Guide , <i>Packt Publishing</i> |
| 2015 | Internet of Things with Arduino Blueprints , <i>Packt Publishing</i> |

EDUCATION

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