

Paul Deng

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PROFILE

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

With 10 years of battle-hardened experience, I am an expert in node/edge 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 | Agersens , <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

NodeJS, Go, AWS, MQTT, RabbitMQ, Protobuf, Redis ...

Linux

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

IoT Wireless Communication

LoRa, NB-IoT, ZigBee, Wi-Fi, BLE, WiSUN ...

CERTIFICATES

- AWS Certified Developer
- AWS Certified Solutions Architect

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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| 2020 | IoT & Edge Computing for Architects: Second Edition , <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> |
| 2010 | Sensor Web , <i>IGI Global</i> |

EDUCATION

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|----------------|--|
| 2014 – present | MOOC
Cloud, Android, Data Mining, Machine Learning, Golang |
| 2006 – 2008 | University of Melbourne , <i>Master of Engineering in Distributed Computing</i> |
| 2002 – 2006 | Southwest Petroleum University , <i>Bachelor of Engineering in Software</i> |