

## Senior Tech Lead Embedded Cyber Security

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Company: Alp Consulting Ltd.

Location: Madha

Category: arts-design-entertainment-sports-and-media

We are looking for C/C++ programming, Cryptography, Threat modelling, Penetration testing, knowledge of vehicle electrical architecture and vulnerabilities, Embedded Linux, Python is added advantage.

Threat modeling at the vehicle level, and also the ECU level

Influencing the architecture design of new features (embedded, cloud and mobile) to ensure that our security needs can be met

Identifying and implementing cryptographic security controls

Providing technical leadership to teams to help them grow their security capability

Developing tools and frameworks that make it easy for teams to adopt security

Performing penetration testing on new products to find vulnerabilities

Drive embedded cybersecurity requirements into new product programs

Drive process improvements. Ideate and deploy innovative solutions in implementing the security in automotive embedded Software development

6+ years of experience with embedded systems/software engineering and/or IoT systems

3+ years of experience with leading and creating a vision for a team, and communication with leadership

5+ years of experience in development of embedded applications in C or C++

5+ years of experience with Agile practices

Experience with Linux distributions

Experience with applying cryptographic concepts in the embedded space

Experience interpreting and applying standards (e.g. ISO 21434) and specifications in the embedded software space

Experience with embedded Linux and other Real Time Operating Systems (RTOS)

Experience in the application of cryptographic security controls for embedded systems

Experience in the development of embedded systems for vehicles

Experience in the development of IoT devices

Experience performing penetration testing of embedded systems

PKI experience

Experience in a DevOps role

Developed AWS-native applications

Understanding of FTP, TLS, UDP, PCI/IP

Bachelor's degree Computer Engineering, Cyber Security / Security Engineering, Computer Science, Electronics Engineering or equivalent experience

Advanced degree is a plus

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