BSP Engineer/Embedded GNU/Linux Engineer

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Company: NATEK

Location: Poland

Category: architecture-and-engineering

Job description

To strengthen and expand the Dublin team, we are looking for a BSP Engineer/Embedded GNU/Linux Engineer.

As a BSP Engineer/Embedded GNU/Linux Engineer you will work alongside the design and product groups in order to extend the range of client's aftermarket devices, creating solutions which cater to a large portfolio of customers across all continents. The BSP Engineer's responsibilities include providing the high and low-level designs, implementation, and testing of firmware/drivers for connected vehicles, monitoring diverse vehicles' metrics as to reduce emissions, increase logistics performance, and ensure driver and cargo safety.

The BSP Engineer will actively take the lead in building the next generation of telematics platforms, extending the capabilities of the client's hardware, and providing a foundation from which different services can be executed.

Additionally, the BSP Engineer will assist in coaching other engineers, propose new methodologies and technologies for agile development, as well as interacting with the product department to design technically and commercially viable software solutions.

#LI-MK1

Your responsibilities

•Design and customize a Linux distribution for the next generation of embedded devices.

•Define best practices to be followed in development, testing and release of OSs.

•Create technical documentation for the design, implementation and testing of software.

•Write device drivers or customize existing ones for new platforms.

•Provide architectural reviews, and feedback. Defining strict quality procedures.

•Investigate and repair present errors related to field-reported issues.

•Lead the product team in developing new features, aiming to produce optimal performance, reliability, and maintainability.

•Take part in the entirety of the release cycle, including improvements of existing CI/CD pipelines, automated testing, and evaluation of field-test reports.

Our requirements

•The successful candidate will be educated to a graduate level in Computer Science, Engineering, or related discipline. A master's degree in these fields is preferred, but not required.

•5+ years of proven experience in a similar role.

•Follow SCRUM development methodologies & lean principles to create world-class software.

•Must have a passion for technology with a strong analytical mindset.

•Excellent communication skills (in English).

•Experience with GNU/Linux.

•Fluency in Yocto and/or Buildroot.

•Fluency in the development of embedded GNU/Linux systems.

•Proven track in the development and customization of GNU/Linux device drivers.

•Experience porting GNU/Linux to bespoke environments (boards, processors or architectures.)

•Great experience in the customization of U-Boot/Barebox for ARM devices.

•Experience in debugging embedded devices (JTAG)

•Having submitted changes to mainline GNU/Linux kernel or mainline U-Boot is highly desirable.

Additional Skills

•Ability to solve challenging problems.

•Display a strong sense of product ownership.

•Understand how to balance the practical and perfection.

•Eagerness to continually learn and improve.

•Ability to guide and assist less-experienced engineers.

•Ability to read and understand technical documents (datasheets, application notes).

Benefits

• Fully remote work (#LI-Remote)

• Internal Mobility Program – enjoy many opportunities for career growth, job rotations, diversity of projects & technologies

• International, diverse, and inclusive working environment – get experience in global projects for worldwide leaders and enjoy multinational teams

• Referral Program - enjoy cooperation with your colleagues and get the bonus!

• 5/10 years NATEK club – we offer long term cooperation and celebrate each fifth year cooperation anniversary with gifts

• NATEK CSR Events & team buildings - enjoy our values: accountability, partnership and expertise and #workITwithus

• Education – benefit from our know how, learning courses and certificates and IT events – be part of community of leaders of the industry and take part as a speaker or a visitor

For CoW:

• Relocation Bonus - reimbursement for moving expenses for out-of-town candidates

• Bonuses for Personal Events - we congratulate you important events of your life: marriage, giving birth to children, university graduation, etc.

• Benefit Plus (Cafeteria) – use our e-shop with corporate benefits like travel, theater tickets, books etc.

• We take care about you future - Life insurance & Pension plan (PPK)

• Additional Medical health care – on top of standard health insurance

• Multisport Club Card

• Technical and Personal training – we are investing in your skills growth

• Language courses

• 1 paid day off for volunteering – we are supportive in all charity ideas

• Reimbursement of purchase of eyeglasses

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