Backend/Embedded SW Engineer

RoadCloud is a Connected Car data platform selling data for road maintenance and companies dealing with traffic information systems. Our key product is accurate and local road weather information that is increasingly important when autonomous vehicles are becoming more popular. Our current customers are from Finland, Sweden and Germany.

We are looking for a mid or senior level embedded/backend engineer to help us build our software stack. As a growing startup company, we want to enable our tech platform to scale to larger vehicle fleets with national or continent-wide coverage. Your responsibilities would include writing software on our new embedded Linux-based sensor device, and designing and implementing our new event-based backend architecture on Kubernetes and AWS. We don't expect you to know everything in advance, but to be a rapid learner with a professional attitude towards software development and willingness to work in a tightly-knit team.

We offer tools of your choice, a competitive salary, and good benefits. Furthermore, your work will have an immediate and wide-ranging impact on the company's tech stack and business.

Required skills and experience

- Mid/senior level SW engineer with a relevant education and work experience
- Modern software engineering and team work practices
- Proficiency in both system level and high-level languages
- Experience in clean software architecture design and scalable data flow

Beneficial experience

- Embedded Linux and soft real-time systems
- Understanding microcontroller development
- Willingness to work on field from time to time
- Signal processing and mathematical algorithm implementation
- Intermittent and high latency network connectivity
- Database design (including PostgreSQL, geospatial, and time-based DBs)
- Event driven architecture design
- Cloud platforms (e.g. AWS, Docker, Kubernetes, serverless)

Job to be done

- Complete software stack for data collection from vehicles and our own sensors on an embedded Linux device
- Software deployment tools for embedded software and configurations
- Development of software components for cloud data processing and databases

Other

- Not much legacy stuff to maintain - we're rebuilding or system to scale
- Technologies currently in use: AWS, Docker, Kubernetes, embedded Linux, CAN bus, C++, Python (including scientific Python stack), Node.js, PostgreSQL

Send your application together with your resume and references by email to: mikko.syrjalahti@roadcloud.com.

Further information

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