Embedded Application Engineer
Remote, UK

Company Overview

Oncam is a global leader in intelligent video technology, with over two decades of innovation redefining what is possible in real-time video intelligence. Our solutions help organisations see clearly, act quickly, and scale confidently. With teams in the UK, US, Turkey, and the Middle East, we design hardware, software, and cloud technologies that are simple, open, and built for long-term reliability.

Our vision is to empower a safer world with smart, connected video that protects what matters most. Organisations worldwide, from retail, education to healthcare and logistics, trust Oncam because we empower our people to think boldly and act with integrity. Our culture is built on collaboration, curiosity, and a passion for making a real impact. You will join a diverse, supportive team that values your ideas and encourages you to grow.

The Role

Join us to build the core software that powers Oncam's next generation intelligent video systems. We are building features for end-to-end security and surveillance product. Our cameras use an embedded version of Android running Golang services with some C++. The same application runs on our gateway product allowing IP cameras to connect to the cloud. Both have the technical challenge of being resource constrained environments running high performance real-time video pipelines. You'll work at the intersection of C/C++, Golang, Linux, networking, and secure systems, shaping technology used around the world.

You'll own features end-to-end, influence architecture, and solve complex technical challenges across embedded applications, APIs, streaming protocols, and system level performance. This is a hands-on role where clean design, maintainability, and engineering excellence truly matter.

At Oncam, you won't be another cog in a large machine, you'll be part of a small, expert team where your decisions are visible, your ideas are valued, and your impact is immediate. Work with brilliant engineers across the UK, US and Turkey in a culture built on collaboration, curiosity, and integrity.

If you want to build meaningful technology, push boundaries, and grow in a people-first environment, we'd love to meet you.

What you'll do

- Designing and developing robust software for Oncam's products and services
- Owning the implementation of projects and features
- Creating well-structured, reusable, maintainable code and coherent APIs
- Developing unit, component, integration and system level tests
- Writing technical design documentation that is clear, simple and easy to use
- Supporting deployments and participating in technical investigations
- Helping shape our engineering practices and improving team processes
- Collaborating closely with engineers across disciplines in an agile environment
- Representing our values and making a positive contribution to the wider team

What you'll bring

- Experience developing applications on **resource constrained remote devices**
- Strong **system level programming** skills (5+ years), including **C/C++ and Golang**
- Solid understanding of **Linux development** (SSH, networking, filesystems, cron)
- Good grasp of **networking and web APIs**
- Knowledge of **security concepts** and secure development practices

- Experience using **Git**, branching strategies and Gitflow
- Strong written and verbal English communication skills
- A degree in Engineering/Science/Maths — or equivalent experience

Nice to have

- Experience building APIs over HTTP(S)
- **WebRTC** / RTSP streaming knowledge (H.264, H.265, VP8, MJPEG)
- WebRTC libraries in C/C++/Golang
- Automated testing (unit or acceptance)
- Android OS HAL3 or device driver integration
- Knowledge of IP cameras
- Knowledge of OpenGL and experience working on GPU
- Experience with database technologies – including key-value stores such as Redis

Why work for us?

If you're excited by the idea of solving meaningful problems, contributing to modern video technologies, and growing within a supportive small company environment, we'd love to hear from you!

Join a people-first organisation where your ideas and ambitions are valued. You'll work with teams globally, help make an impact and grow in an environment that champions uniqueness, collaboration, and integrity.

Benefits

On top of a competitive salary, you can expect a whole load of perks:

- **25 days' holiday pro-rata + bank holidays**: We understand the importance of you getting some downtime.
- **Access to a learning platform**: Not only do you learn lots on the job, but you also have access to a platform of bite-sized courses and professional accredited courses.
- **Enhanced Family Friendly Leave**: Support for you and your family to help you navigate through the ups and downs of family life.
- **Medical Cash Plan**: Claim back the cost of your medical treatments from dentists, optometrists, and many more.
- **So many savings**: Through our online community platform, you can access dozens of daily deals, from money off top retail brands, cinema tickets, gym memberships to discounts on days out. There is something for everyone!
- **Employee Assistance Programme**: Our people are at the heart of everything we do, so if you're happy, we're happy.
- **Quarterly Employee Core Values Awards**: Nominated by your peers, the winner gets a fancy glass trophy and a voucher!
- **After smashing probation**:
    - **Private Medical Health Insurance** with Vitality for you and your family.
    - **Work From Anywhere** aside from your home office for up to 15 days in a consecutive year
- **Raising money for charity**: We're all about giving back and having lots of fun in the process!
- **Candidate Referral Scheme**: Know the perfect person to join the team? You could bag up to £2,000 for putting in a good word.

We are powered by uniqueness.

We are a diverse bunch and celebrate over 14 different nationalities across our regions. We champion and welcome diversity in our workforce and ensure all job applicants receive equal and fair treatment, regardless of gender, sexual orientation, marital or civil partner status, gender reassignment, race, colour, nationality, ethnic or national origin, religion or belief, disability or age.
For further information visit us on www.oncam.net or submit your CV to hr@oncam.net.