

# InfiniteCooling

## Full-stack Software Engineer/Architect

Infinite Cooling's mission is to mitigate water scarcity and reduce emissions around the world by making industrial cooling more efficient. Industrial cooling systems are the largest users of water after agriculture and major users of energy. We help industrial plants reduce their water consumption and energy usage by optimizing the operation of their cooling systems. We are a vibrant startup based in the Boston area, and we are on a mission to be a global leader in cooling for industrial applications. Infinite Cooling is venture-backed and has raised over \$16M of capital and was awarded over \$3M of prizes and grants.

We are looking for a hands-on, sharp, tenacious, collaborative and creative Software Engineer to join our team and work on all IoT product development stages from R&D to design, prototyping, and testing to deployment and maintenance. You should be a self-starter willing to work with multiple stakeholders through strong communication, flexibility, and with a desire to "wear many hats". This position will report to the Director of Engineering – Internet of Things.

### What you will do:

- Take ownership over server architecture and software development and drive early-stage MVPs for IoT systems
- Define backend architectures, drive technology stack selection, and work with the team to define the IOT edge architecture.
- Build, debug, test, release, and maintain IOT applications hosted in a cloud environment that process and analyze large amounts of data from sensors
- Design and develop resilient systems and front-end components for a customer-facing web application
- Set up and support tools for R&D/Analytics.
- Develop, maintain, and deploy software for Edge Computing, PLC/HMI, and Cloud hosted applications including associated DevOps tasks
- Champion good programming practices with version control, CI/CD, unit and integration testing, code reviews, and writing clean, maintainable code

### Preferred skills and experience

- Bachelor's degree in Computer Science or related fields
- 5+ years of professional experience in software engineering, preferably in a startup-style or high-cadence environments
- 3+ years of experience applying modern agile software development practices
- Experience in architecture, design and implementation cloud-based services in either AWS (preferred), Google Cloud Platform or Microsoft Azure
- DevOps experience with cloud hosted applications and databases
- Thorough understanding of distributed systems, designing for scalability, performance, and availability

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- Extensive programming experience, particularly in Python, common Javascript web frameworks, and in Linux environments. Familiarity with software development for edge (embedded) devices is a plus.
- Working knowledge of SQL and NoSQL database systems
- Familiarity with cloud and edge device communications architectures such as MQTT, Cellular etc.
- Experience with software development tools such as Git, Jenkins, and JIRA
- Experience with Agile / Scrum methodology

**Current location:**

121 Madison Street, Malden, MA 02148

**Contact:**

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