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Exotanium Inc. (<http://exotanium.io/>), a startup created by two professors and one graduated Ph.D. student from the Department of Computer Science at Cornell University, is developing a new cloud-native application container platform that provides superior performance, security, and cost-efficiency for both public and private clouds. The technology is based on cutting-edge research and protected by a patent. Exotanium recently closed a financing round, received a Small Business Innovation Research (SBIR) award from the National Science Foundation (NSF), and has demonstrated a client value proposition of reducing client cloud spend up to 90%.

Exotanium is seeking full-time Software Engineers and Research/Development Interns to become an integral part of the team. You will be joining an exciting effort of creating the next-generation cloud-native container management platform. The company is located in Ithaca, NY.

The following full-time positions are available. Internship positions are not listed specifically and will be determined case by case. These positions can be either based in Ithaca or remote.

#### 1. Software Engineer - Cloud Resource Management

##### **Responsibilities:**

- Design and implement the system for automatic cloud resource management.
- Design and implement algorithms for cloud resource optimization.
- Work with customers on proof-of-concept prototypes, user interface, and workflow integration.

##### **Qualifications:**

- Bachelor or more advanced degree in Computer Science or related programs.
- Extensive experience with cloud computing services (AWS, Azure, Google Cloud etc.)
- Strong background in distributed systems, operating systems, and multithreading programs.
- Familiarity with Go and Linux environments.
- Comfortable working remotely if not relocated to Ithaca.

#### 2. Software Engineer - Container Runtime Development

##### **Responsibilities:**

- Develop a new container runtime for cost and resource optimizations.
- Optimize the performance and security of networking and storage architectures.
- Work with customers on proof-of-concept prototypes and workflow integration.

**Qualifications:**

- Bachelor or more advanced degree in Computer Science or related programs.
- Extensive experience with virtualization, operating systems, container infrastructure and orchestration platforms.
- Strong background in distributed systems and multithreading programs.
- Familiarity with Go and Linux environments.
- Experience with the Xen platform is a big plus.
- Comfortable working remotely if not relocated to Ithaca.

3. Senior Software Engineer - Linux Kernel and Xen Development

**Responsibilities:**

- Optimize the Xen hypervisor for supporting container applications.
- Modify the implementation of the Xen tool stack for container architecture.
- Optimize the Linux kernel for virtualization-based container runtime.
- Develop product installation tools and demos.

**Qualifications:**

- Bachelor or more advanced degree in Computer Science or related programs.
- Three or more years' experience in kernel and hypervisor level programming.
- Demonstrated expertise in Linux kernel and Xen platforms.
- Good understanding of operating systems, containers, micro-services, Docker, Kubernetes, and cloud computing.
- Comfortable working remotely if not relocated to Ithaca.

**Compensation:** Competitive salary Depends on Experience (DOE), Health, Dental and Vision Insurance, 401K with match, Paid Time Off (PTO), Long Term and Short Term Disabilities, Life Insurance.

We are an equal opportunity employer. All applicants will be considered for employment regardless of race, color, religion, sex, sexual orientation, gender identity, national origin, veteran or disability status.

If interested, please send your resume to [hiring@exotanium.io](mailto: hiring@exotanium.io). For more information, please contact [info@exotanium.io](mailto: info@exotanium.io).