

PRINCIPAL SOFTWARE ENGINEER

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Company: Microsoft

Location: Romania

Category: computer-and-mathematical

Overview

The Azure Core Linux team's mission is to empower every Linux developer and operator to innovate and run secure, reliable, services at scale. We are looking for an experienced Principal Linux Software Engineer to help make Azure the best place to run Linux workloads.

As an experienced Principal Linux Software Engineer on the Azure Core Linux team you will improve the Linux and cloud native experience on Azure by developing and operating new and existing production services at scale, improve the performance and reliability of existing cloud infrastructure, and work with internal and external partners to create a seamless Linux experience on Azure. If you are passionate about Linux and helping to enable Linux developers and operator we enable customers to troubleshoot their Linux workloads, Microsoft partner teams to package and publish their Linux software, and provision their Azure compute resources. We also offer the opportunity to contribute upstream on Open Source projects that enable our customers and services.

In this role, you will be responsible for designing, building, deploying, and iterating on solutions to improve the Linux and cloud native experience on Azure. This opportunity will allow you to collaborate with other engineers, and teams across the company. This position requires dedicated collaboration across team and organizational boundaries.

Microsoft Loves Linux and Open Source, come join us if you do too.

Microsoft's mission is to empower every person and every organization on the planet to achieve more. As employees we come together with a growth mindset, innovate to empower others, and collaborate to realize our shared goals. Each day we build on our values of respect, integrity, and accountability to create a culture of inclusion where everyone can thrive at work and beyond.

Qualifications

Required Qualifications:

Bachelor's Degree in Computer Science or related technical field AND 6+ years technical engineering experience with coding in languages including, but not limited to, Golang, Rust, C, C++, C#, Java, JavaScript, or Python OR equivalent experience.

Proficiency with Linux networking.

Proficiency with domain name records and resolution (DNS).

Experience doing production code reviews using source code control for cloud services.

Experience in core Linux technologies (for example: kernel, early-boot, systemd, container primitives, networking, filesystems, packaging, and/or eBPF).

Fluent written and spoken English language.

Other Requirements:

Ability to meet Microsoft, customer and/or government security screening requirements are required for this role. These requirements include, but are not limited to the following specialized security screenings: Microsoft Cloud Background Check: This position will be required to pass the Microsoft Cloud Background Check upon hire/transfer and every two years thereafter.

Preferred Qualifications:

Bachelor's Degree in Computer Science

OR related technical field AND 10+ years technical engineering experience with coding in languages including, but not limited to, Golang, Rust, C, C++, C#, Java, JavaScript, OR Python OR Master's Degree in Computer Science or related technical field AND 8+ years technical engineering experience with coding in languages including, but not limited to,

Golang, Rust, C, C++, C#, Java, JavaScript, or Python OR equivalent experience.

Committed experience with open-source development technologies and practices

Experience using Linux performance (CPU, disk, memory, etc), debugging, and troubleshooting.

Experience with Microsoft Azure or similar cloud computing platforms is a plus.

Experience implementing and/or operating large scale cloud services, components, distributed systems, or feature areas.

Effective collaborator, experienced in creating technical partnerships across teams.

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Responsibilities

Partner with Product managers, business stakeholders and users to understand user pain points deeply and create innovative solutions that delight your customers in an agile development environment.

Passionate about distributed systems and building high-scale services.

Enjoys new technological challenges and excels at solving them.

Work across internal engineering teams (Kubernetes, Operating Systems/kernel, Open Source, etc.).

Improve the reliability and performance of Linux on Azure.

Monitor and manage critical Linux related infrastructure services. Acts as a Designated Responsible Individual (DRI) working on-call to monitor system/product feature/service for degradation, downtime, or interruptions and gains approval to restore systems/products/services.

Contribute these fixes to upstream open source projects and communities.

Strive for excellence in everything you do: culture, collaboration, process, tools, design, engineering practices, customer experience, performance, security etc.

Benefits/perks listed below may vary depending on the nature of your employment with

Microsoft and the country where you work. Industry leading healthcare Educational resources Discounts on products and services Savings and investments Maternity and paternity leave Generous time away Giving programs Opportunities to network and connect

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