

## **Dream Job Description – *Linux Systems Master Security Advocate Engineer (SME)***

Ideal World Industries is looking for a creative individual who wants to advocate to keep digital data private. We are not political, we just understand that digital privacy is more important than ever in today's world. We need someone that can work closely with the Linux kernel and userspace to come up with customized drivers and assist Developers in their applications that get the most out of the custom hardware and software we build for individuals, organizations and companies around the world. By also utilizing open-source technology in secure cloud infrastructure and on premise, they will also be responsible for building, maintaining and monitoring the networks that their customer's use on a daily basis in order to update their customized solutions (i.e. desktops, cloud systems, phones, tablets, metal servers, or thin clients).

### **Responsibilities:**

- Write drivers for the Linux kernel
- Compile the Linux kernel and build out custom Linux modules.
- Understand and write software to improve automation and site reliability
- Maintain and monitor Linux Systems with a team of five.
- Package management
- Actively participate in a team code review and enforce quality standards, focusing on best security-practices with a simple code mindset, preferring the functional paradigm.
- Promote and enforce best practices in development & operations via the DevOps philosophy.
- Identify opportunities and weaknesses in the platform architecture.
- Write systems tooling in either Go or Python.
- Maintain self-hosted Git repo.

### **Required Skill Knowledge:**

- Linux
- x86 architectures
- bash
- C, Elixir, Elm, Go, and Python
- Git
- Containers
- Logging
- OpenVPN, WireGuard
- Networking and Internet protocols (TCP/IP, DNS, TLS, SMTP, HTTP)
- ability to explore different tech: BSD, NixOS, quantum computing, Kubernetes, and much more

### **Perks of the Job:**

- No blame culture. Emotionally healthy employees. Small teams.
- Remote work, with optional in-office days.
- Tech conference trips paid for by company.
- Unlimited VTO, with up to 35 vacation or sick days (days not used will equal more pay).
- Best healthcare.
- We listen live to Security Now every week.
- Time off for concerts and baseball games with team. We all love Metalcore music here. Go Chicago Cubs!
- Learn how to skateboard better sessions after work.
- Gym membership with pool, basketball hoops, and latest lifting equipment.
- Paid for memberships to learning platforms on the Web.
- \$85,000 starting salary with increases based on experience, projects done, and time at company.
- Purchase your own equipment whenever you need to for work, no limit. We work closely with System76.
- Once a quarter team outings for fun and in-person collaboration. We vote on them together.
- No Slack. We use a very customized version of Mattermost for optimal distraction free work time.
- ProtonMail and ProtonCalendar are used. (No Google here.)
- Files secured and stored in Wasabi Cloud, utilizing NextCloud on the front-end. Looking into Sync.com