

Emil Ståhl  
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Dear Recruiter,

I am writing to apply for a position at your company, leveraging my strong background in distributed systems and software-defined networking. My expertise in cloud infrastructure, Linux environments, and DevOps, combined with my passion for building high-performance systems, would make me a valuable addition to your team.

I hold a Master of Science in IT from KTH, specializing in Distributed Systems. In 2024, I completed my Master's thesis at Red Hat, where I collaborated with a senior developer to optimize the performance of Open vSwitch's megaflow cache using coflows. This required configuring an advanced OpenShift Kubernetes cluster on Linux with OVN and OVS. Through this work, I gained deep expertise in Python, Linux, containerized environments, and software-defined networking—developing expertise comparable to that of senior developers.

In addition to my academic background, I participated in EY's Cybersecurity mentorship program, where I worked with senior consultants to design systems resilient against cyber-attacks. This included Secure DNS, DDoS protection, and Deep Packet Inspection. Additionally, I have built numerous full-stack projects in my free time, developing everything from frontend interfaces using Next.js to backend APIs with Express.js, as well as managing databases like MongoDB and Redis. I also host applications on my self-managed Linux servers, leveraging DevOps technologies such as Ansible, Terraform, and GitHub Actions.

I am a highly effective, performance-driven, and structured professional who thrives in fast-paced environments with autonomy and responsibility. While I have some speech difficulties due to a disability, these challenges have strengthened my problem-solving abilities, communication skills, and adaptability—allowing me to excel in technical collaboration.

With over a decade of experience in coding and project development, I am confident that I can bring value to your team and help your company achieve its goals. My two senior supervisors at Red Hat are happy to serve as references and can provide further insights into my contributions. I look forward to the opportunity to discuss how my skills align with your needs. Please feel free to reach out at your convenience.

Sincerely,

*Emil Ståhl*