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Akur8

RE: Senior Python Software Engineer

Dear Hiring Manager,

I am excited to apply for the Senior Python Software Engineer position at Akur8. After spending more than eight years building cloud infrastructure, automating deployments, and developing backend systems across fast-moving engineering environments, I'm drawn to the idea of contributing those skills to a company pushing the boundaries of transparent machine learning in the insurance industry. The chance to help build a new cloud-native product from the ground up is exactly the kind of technical challenge I enjoy.

In my recent work as a Senior DevOps and Software Engineer, I've designed scalable architectures, automated CI/CD workflows, and built backend features that support high-performance, data-driven systems. At Vieaura, I implemented full CI/CD pipelines in Bitbucket and managed Kubernetes workloads on GCP for OPTRIX — a real-time intelligent guidance platform. I handled deployments, monitoring, and infrastructure reliability, which gave me deep experience with containerized services, cloud scaling, and performance tuning.

Before that, at RevBits, I developed backend components in Python and Java across multiple security products, including XDR, Email Security, EDR, and Zero Trust. I worked closely with cybersecurity engineers to translate vulnerability findings into product improvements, strengthening detection and response capabilities. This role further sharpened my ability to turn complex concepts into clean, reliable code — something highly relevant to Akur8's actuarial and ML-driven workflows.

Throughout my career, I've prioritized clear communication, collaboration, and strong engineering practices. I regularly work with cross-functional teams, participate in architectural discussions, and bring a disciplined approach to testing, code reviews, and performance optimization. I'm comfortable implementing data workflows, building numerical logic in Python, and maintaining production-grade systems across cloud providers — including AWS.

What excites me most about Akur8 is the blend of engineering, mathematics, and transparent machine learning. The idea of helping develop a system that empowers insurers with faster and more accurate modeling fits perfectly with the work I've done and the direction I want to grow. Joining a team with strong technical DNA and the chance to contribute to a new product's architecture from day one is a major motivator for me.

Thank you for your time and consideration. I would welcome the opportunity to discuss how my background in Python development, cloud technologies, CI/CD automation, and building reliable backend services can support Akur8's next generation of actuarial and machine learning products.

Sincerely,
Thomas Ford

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