

Gerard Ambe

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I am a certified DevOps Engineer and Software Developer who loves creating engaging tech videos and content. I'm seeking an agile company to leverage my skills in building outstanding products.

Work Experience

DevOps Engineer/Consultant	Segula Technologies Gothenburg, Sweden	2022–Present
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- Collaborated with cross-functional teams to optimize cloud infrastructures, leveraging auto-scaling, load balancing, and cost optimization techniques.
- Automated infrastructure provisioning and configuration using Terraform, ensuring consistent and scalable environments across development, testing, and production.
- Applied security practices using DevSecOps approach to enforce security across the entire DevOps pipeline. Integrated HashiCorp Vault for secure credential management.
- Integrated SonarQube for static code analysis, OWASP Dependency-check for analyzing application's dependency, and Trivy to scan the Docker image to identify vulnerabilities.
- Integrated Jenkins for the CI process and ArgoCD to manage the CD process for Kubernetes deployments, making the process more efficient.
- Set up and configured monitoring and logging solutions, such as ELK Stack, Prometheus, and Grafana, to gain insights into system performance and troubleshoot issues.
- Participated in Agile development practices, including sprint planning, stand-ups, and retrospectives, to facilitate collaboration and continuous improvement.

Technologies: *Python, GCP, AWS, MySQL, Git, Github, Kubernetes, Docker, Jenkins(CI/CD), Ansible, SonarQube, Grafana, Datadog, Helm, Prometheus, HashiCorp Vault, Linux, Trivy, OWASP, Terraform*

Platform Engineer	Klara Stockholm, Sweden	2021–2022
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- Automated infrastructural provisioning using Terraform, ensuring consistency and scalability across environments.
- Developed the CICD pipeline using GitLabCI and FluxCD to enable seamless integration and continuous delivery.
- Used Docker for containerisation and EKS for managing the containerized application.
- Ensured compliance and credential management using Hashicorp vault.
- Automated routing tasks using Python and Bash improving efficiency.
- Conducted root cause and post modern analysis to identify root cause, improve the system and prevent reoccurrences.

Technologies: *Terraform, ArgoCI, FluxCD, Git, Github, SonarQube, Hashicorp Vault, Bash, Python, Prometheus, Grafana, ELK*

Full-Stack Developer	Nilssonsstadtjanst Karlstad, Sweden	2019–2021
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- Primarily responsible for development, using Python and the Flask framework.
- Implementation of CRUD functionalities, User Authentication and authorization with Werkzeug security helpers to make user authentication more secured.
- Integrated monitoring using Prometheus and Grafana and logging using ELK stack to ensure sites reliability.
- Ensuring a cross-functionality between Flask and MongoDB while using the command-line tools to manipulate data and connecting MongoDB using python.

Technologies: *Python, Flask, MongoDB, JavaScript, Git, GitHub, Google Cloud APIs, Jenkins, SonarQube*

- Delivered critical features on our main web development projects under tough deadlines and company wide attention such as official government websites.
- Building different frontend applications using React, TypeScript and its ecosystem.
- Automated a 5 steps process freeing up to 8 weekly hours from our customer support team through an image processing service built on top of Node.js and AWS that allowed our customers to self service.
- Supporting my team during the frontend section of the life cycle from concept, implementation, and testing.
- 15+ successful releases, over 50 frontend features delivered, and 100+ customer requests served.

Technologies: JavaScript, React, Typescript, Git, GitHub, HTML, CSS, MongoDB Education

Education

- **Full-stack Developer student at Code Institute, Dublin.** 2018–2019
- **International business management, Linneaus University Växjö, Sweden.** 2017–2018

Skills and Technologies

- Languages: Python, JavaScript
- Technologies: AWS, Azure, Kubernetes, Docker, Terraform, Ansible, Jenkins, ArgoCD, FluxCD, GitHub Actions, Hashicorp Vault, OWASP Dependency-check, SonarQube, Trivy, Prometheus, Grafana, ELK Stack, Selenium, Git, GitHub, Helm, Cert Manager, Ingress Datadog, Linux, Snort, Suricata, Loki, Tempo, Mimir
- Others: Postman, HTML, CSS, Flask, MongoDB, MySQL, SQL, PostgreSQL, Stripe, Microservices Architecture

Certificates

- Hashicorp Certified: Terraform Associate
- Microsoft Certified: Azure Administrator Associate

Languages

- English: Native Proficiency
- French: Intermediate
- Swedish: Advanced

Created Videos and Content

- Website: <https://tinyurl.com/2c3f3uuf>
- Medium: <https://medium.com/@gerardambe>
- GitHub: <https://github.com/Gerardbulky>
- LinkedIn: www.linkedin.com/in/gerard-ambe-80050b152/