

# Gerard Ambe

[www.linkedin.com/in/gerard-ambe-80050b152/](https://www.linkedin.com/in/gerard-ambe-80050b152/) • [github.com/gerardambe](https://github.com/gerardambe)  
Gothenburg, Sweden • [gerardambe@yahoo.com](mailto:gerardambe@yahoo.com) • +46 720107276

**I am a Software Developer specializing in DevOps and Python. I am looking for an agile software organization where I can use my skills to build great software.**

## Professional Experience

### DevOps Engineer / Consultant

**Segula Technologies**  
Gothenburg, Sweden

**2023–Present**

Collaborated with cross-functional teams to optimize cloud infrastructures, leveraging auto-scaling, load balancing, and cost optimization techniques:

- Applied security practices from the very beginning using DevSecOps approach to enforce security throughout the entire DevOps pipeline.
- Integrated HashiCorp Vault with Jenkins to securely manage secrets, certificates and keys within the pipeline ensuring sensitive information is never exposed.
- Integrated SonarQube in my build process, providing continuous inspection and immediate feedback by analysing the source code, reporting issues such as code duplication, coding standard violation and potential bugs.
- Integrated OWASP for scanning the application at runtime, identifying vulnerabilities and potential security issues.
- Integrated container image scanning using Trivy for identifying vulnerabilities in the container image.
- Implemented version control best practices using Git and provided guidance on branching strategies and code review processes.
- Integrated ArgoCD to manage the CD process for Kubernetes deployments, making the process more efficient.
- Worked closely with development teams to integrate automated testing and quality assurance processes into CI/CD pipelines.
- Set up a Jenkins CI/CD pipeline that utilizes GitHub, Docker, Ansible and Kubernetes, on Amazon EKS. This optimized the software development, testing and deployment process. I automated the workflows to ensure efficiency, collaboration and seamless integration with containerized applications on EKS.
- Automated infrastructure provisioning and configuration using tools Terraform, ensuring consistent and scalable environments across development, testing, and production
- Conducted regular security assessments and implemented security controls to ensure compliance with industry standards and best practices.
- 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*

### DevOps Engineer

**Klaralvenstad**  
Karlstad, Sweden

**2022–2023**

Provision Azure Virtual Machines, Virtual Networks, Blob Storage, Azure Active Directory and Azure DNS with Terraform.

- Managed source code repository on GitHub, including tasks such as creating Tags, Branches, and branch Merges.
- Install and configured Jenkins server & agents to support the build and release processes as required team by the team.
- Implemented Docker, creating dockerfile, building Docker image and pushing image to Azure Container Registry(ACR).
- Created Docker files and built images and push to the Docker private registry.
- Use Azure Kubernetes service (AKS) to run and deploy docker image in containerized applications.
- Utilize tools such as Prometheus, Grafana and Azure Monitor for monitoring the health and performance of application.

Technologies: *Azure, AKS, Azure Monitor, Terraform, Jenkins, Docker, Git, SonarQube, Github, Grafana, Prometheus*

Primarily responsible for development, using cutting edge technologies and features:

- Increased user's experience through carousel encapsulation by providing a better visual experience while aiming for lighter abstractions.
- Implementation of a variety of features, from Google Cloud API Library, to EmailJS directly from JavaScript, as well as improving code quality and performance.
- Ensured code was clean, functional and efficient by extending and maintaining periodic bug fixing and ensuring appropriate code coverage.
- Ensuring a cross-functionality between Flask and MongoDB while using the command-line tools to manipulate data and connecting MongoDB using python.
- Implementation of CRUD functionalities, User Authentication and authorization with Werkzeug security helpers to make user authentication more secured.
- Ensured best practices by implementation of Mailgun API, to provide users with a review of their activities.

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

## Education

---

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

## Skills and Technologies

---

- Languages: JavaScript, Python
- Technologies: HTML, CSS, Bootstrap, React, Typescript, AWS, GCP, Django, Flask, FastAPI, Git, GitHub, SQL, MySQL, PostgreSQL, MongoDB, Stripe, webdriverIO, Jenkins(CI/CD), Docker, Kubernetes, SonarQube, OWASP, Trivy, Prometheus, Graphana, Datadog, Ansible, Terraform, Helm, Linux,
- Other: Web Performance, AWS Well-Architected Framework, Microservices Architecture

## Projects & Extra

---

Experience with developing, maintaining and implementing new features and functionalities in existing applications, including:

- Implementation of a payment system by integrating Klarna and Stripe for payment processing, allowing both Klarna and card payment.
- Designed and implemented a secure booking system using Flask-forms with built-in security and validation of form fields. Implemented flask bycrypt for password hashing.
- Developed a travel cost calculator that utilizes the Google API Distance Matrix to calculate travel costs based on the distance travelled.
- Created a system that calculates the total costs and the estimated time for different services based on the information provided by the users about their homes.
- Implemented an Ecommerce platform, enabling users to purchase products at their convinient.
- Integrated PushBullet for push notification and Flask mail for email services.
- Utilized AWS microservices like S3 bucket and EC2 instances to host static files and deploy the web application.
- Implemented Git version control for code management and deployment on the GitHub repository.

*Technologies: Python, JavaScript, Flask, MySQL, SQL, HTML, CSS, Git, Github, AWS, Docker*

## Languages

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

## Hobbies & Personal

---

- In my free time I like to spend time with my family, read about technology and explore Sweden.