YASSINE BEN HAMIDA

DevOps engineer

@ yacinbh@outlook.com   📞 0021658014044   ✉ https://www.linkedin.com/in/yacinbenhamida   📍 Tunis, Tunisia

WORK EXPERIENCE

Save Your Wardrobe

Cloud & DevOps engineer

📅 July 2021 - July 2022   📍 Tunis, Tunisia

DevOps technical lead

📅 July 2022 - Current   📍 Tunis, Tunisia

Save Your Wardrobe is a Fashion-Tech startup that uses AI to make Fashion more digital and sustainable

- Achieved a total savings of $5k in 2021 by re-engineering the company's infrastructure on AWS, led the migration from ElasticBeanstalk to AWS ECS.
- Reduced the time to production and automated deployments through the setup of a CI CD strategy on the project's repositories, using Bitbucket Pipelines and AWS ECR.
- optimized build process of Save Your Wardrobe projects using Multi stage builds and docker build kit features.
- Automated the deployment of Save Your Wardrobe's mobile applications through Continuous integration continuous deployment on Azure DevOps and bitbucket pipelines, with automated publishing to apple App Store google Play Store
- Ensured highly available web applications through architecting scalable AWS ECS clusters, combined with load balancing and auto scalable resources, in depth experience with AWS capacity providers for both EC2 Fargate model, enabling autonomous and load based horizontal autoscaling.
- Optimized media Content distribution using AWS cloudfront.
- Effectively monitored and secured Save Your Wardrobe applications using AWS WAF (web application firewall), as well as automated vulnerabilities scanning using SNYK TRIVY.
- Optimized small workloads to operate on serverless environments (cron jobs, tasks) and deployed them on AWS Lambda, Amazon Eventbridge and exposed using AWS API Gateway, Optimized Machine learning and computer vision model to operate on AWS lambda, helping the company effectively reduce the costs compared to deploying them on independent servers.
- Helped in setting up an organizational model for Save Your Wardrobe partners, further isolating resources between applications and systems by creating Organizational units and accounts.
- The management of Save Your Wardrobe Domain name servers on Godaddy, Automatic HTTPS certificates renewal using AWS ACM.
- Led the DevOps team as a technical lead, adopting the scaled agile framework SAFe as a workflow, using various tools such as Jira/Confluence and azure devops.
- AWS well architect-ed framework guidelines application through setting up the system at save your wardrobe using AWS networking capabilities such as VPC creation, private public subnets, route table managements, VPC peering endpoints and Elastic IP allocation and assignment.
- Experience with serverless compute workloads on AWS lambda and Fargate launch type on ECS
- Deployment and demo of the company's B2B after care service platforms on the partners infrastructure on site in germany (tablets, computers), such as Hugo Boss care repair service and zalando care and repair, complying with their security standards and norms, providing direct technical support by providing accesses and usage guides for the partner's tech team.

Technologies : `AWS` `IAM` `S3` `ECS` `CloudFront` `SLS` `Lambda` `Bitbucket Pipelines` `Docker` `Javascript` `Python`

Save Your Wardrobe

Software & DevOps intern

📅 January 2021 - June 2021   📍 Tunis, Tunisia

- Worked as a Full stack developer using MongoDB, Express JS (API), Node JS reactJS and Python (flask), assisted the team in developing new features such as integrating an email parsing feature in the application, developed new User interfaces on ReactJS
- Fully automated the tests processes by integrating them in the pipeline for both front and back-end application (End to end UNIT testing), continuous monitoring

- Centralized sensitive secret keys used by SYW backend on AWS systems manager using KMS and parameter store, integrated the parameters fetching and loading in the backend of Save Your Wardrobe's application.
- managed IAM credentials of the team, by dividing the Tech team into Groups (devs, devops, admins), applying the rule of the least amount of privileges needed for each team member, enforcing one of AWS best security practices.
- Containerization of Save Your Wardrobe Data API projects using Docker and docker compose.
- Integrated AWS SQS with Save Your Wardrobe backend as a queuing system as a queuing mechanism for some specific workloads.
- experience with RestFUL API's using Express JS Python FastAPI and flask, documentation and testing using swagger and Postman
- Maintained the company's private package repository management for javascript applications (NPM , yarn), security scanning and automated upgrade using SNYK
- Experience with caching using AWS redis elasticache clusters, provisioning setup and regular maintenance with backups and recovery ensuring very high availability.
- created Monitoring dashboards for the company's infrastructure on AWS using AWS cloudwatch and Amazon managed graffana service, displaying logs and compute usage in realtime for our ECS clusters, as well as financial insights and KPI's monitoring costs and allocated budgets for that exercice.

Set up an autoscaling and backup strategy for the MongoDB servers of Save Your Wardrobe on mongo db ATLAS based on the load, helped the dev team in optimizing their queries response times by giving insights and updates about the database behaviour through a dashboard.

Technologies : `AWS` `Elastic Beanstalk` `Docker` `JEST` `Node JS` `ReactJs` `KMS` `Systems manager` `SQS` `REST` `Swagger`

Farmavans
Freelance Software Engineer

📅 July 2020 - November 2020 　　　　　　　　📍 Tunis, Tunisia

- Farmavans is a leading bio pharmaceutical products manufacturer in Tunisia.
- Created an Enterprise resource planner for Farmavans, that managed the company's medical representatives, expenses, stocks and budgets, products and so on.
- I worked as a freelancer with farmavans, i helped creating a system that aims to automate internal tasks within the company such as managing the medical representatives schedule and expenses, track the clients invoices, manage the internal stock etc. The application was a Full stack web application (Frontend / Backend) , Angular Node JS (Express), Sequelize (ORM) and MYSQL database, Continuous testing and monitoring of the backend API'S on postman. Continuous deployment on the client's web server AWS EC2 using an automated pipelines on Gitlab CI CID combined with Git source control on a gitlab repository. Database management and backup on AWS RDS.

Technologies : `AWS` `Docker` `Gitlab` `Node JS` `Angular` `RDS` `ExpressJS` `Sequelize` `MySQL`

EDUCATION

Engineer's degree (Masters)
Ecole Supérieure Privée d'Ingénierie et de Technologies - ESPRIT

📅 2018 – 2021 　　　　　　　　📍 Tunis

Bachelor's Degree
Institut supérieur des études technologiques de CHARGUIA

📅 2015 – 2018 　　　　　　　　📍 Tunis

SKILLS

`NodeJS` `Python` `Shell` `ECS` `ElasticBeanstalk` `Git` `Linux` `Java` `Docker` `Serverless` `AWS VPC` `EC2` `Fargate` `Familiar with` `Ansible` `Terraform`

LANGUAGES

English, French, Arabic

VOLUNTEERING

Exchange participant
AIESEC - magic of speaking Bursa

📅 2019   📍 Turkey

Representative
my365.tn student champions

📅 2018   📍 Tunisia

CERTIFICATIONS

Microsoft Certified : Azure fundamentals [AZ-900]
Microsoft [ID: I421-6546]

📅 2022

Building cloud native applications
IBM

📅 2022

Docker essentials : A developer introduction
IBM

📅 2022

OCI Foundations 2021 Associate [1Z0-1085-21]
Oracle [ID: 4710097OCIBF2021]

📅 2021

98-361 MTA: Software Development Fundamentals
Microsoft [ID : mP7N-XVN9]

📅 2020

98-388 MTA: Introduction to Programming using Java
Microsoft [ID : vMks2-Fauy]

📅 2020