Arafet Ben Kilani

LinkedIn | GitHub | Portfolio

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EXPERIENCE

Freelance   Sep 2024 – Present
Remote

- Configured DNS records for the backend hosted on a VPS and frontend hosted on Cloudlfare pages to ensure reliable domain routing and secure connections.
- Deployed a production-ready Django application on a VPS, utilizing Docker, traefik as reverse proxy and Watchtower for continuous deployment and setup a CI/CD pipeline to automate building and deploying the docker images.
- Implemented functionality to convert uploaded documents (docx, html, xml, ...) into PDFs using LibreOffice.
- Enhanced OCR accuracy for converting PDF documents into markdown by dynamically supplying a list of headings from previously processed pages.
- Implemented a document summarization feature by semantically splitting markdown text into chunks handling token limits of the GPT-4.0 model and using a map-reduce method to generate a cohesive summary of the entire document.

Keywords: Python, FastAPI, Typescript, NextJs, Openai, OCR, RAG, LangChain, Map-Reduce, LibreOffice, Docker, Github actions, Cloudflare, DNS

Responsible Cyber   Feb 2024 – Aug 2024
Cloud DevSecOps Intern   *Hybrid*

- Helped promote **DevSecOps** culture within the engineering team by educating team members on the risks of leaving security as an afterthought and introduced them to concepts like **SAST, DAST** and **SCA**.
- Designed and implemented **CI/CD** pipelines for Responsible Cyber's SaaS application using GitHub Actions, automating **90%** of manual deployment processes.
- Utilized AWS tools and services (**IAM**, **AWS SAM**, **AWS CLI**, **CloudFormation**) to automate and optimize infrastructure management, reducing deployment time by **30%** and improving **security**.

Keywords: GitHub Actions, Semgrep, Gitleaks, AWS IAM, Identity Federation, AWS SAM, CloudFormation, S3

Dev N Deploy   July 2023 – Sep 2023
Backend Intern   *Remote*

- Created **automated testing and deployment** workflows using GitHub Actions for a REST API and Nextjs application, which reduced manual intervention by **75%**.

Keywords: Docker, GitHub Actions, NextJS, Vercel.

EDUCATION

Higher School Of Communications of Tunis (SUPCOM)   Sep 2021 – Sep 2024
Engineering degree in IT and Telecommunications   *Ariana, Tunisia*

Prepatory Institute For Engineering Studies of Tunis (IPEIT)   Sep 2019 – July 2021
Pre-Engineering   *Montfleury, Tunisia*

TECHNICAL SKILLS

Languages	:	Golang, Typescript, Python, SQL, HCL
Cloud	:	AWS, Vercel, Cloudflare
Web	:	FastApi, Nginx, Websocket, NextJs, ReactJs, JWT, HTML, TailwindCSS
DevSecOps	:	GitHub Actions, Gitlab CI, Semgrep, Gitleaks, Terraform, Docker
Databases	:	Postgres, SQlite, Mongo
Miscellaneous	:	Linux (RedHat), TCP/IP, DNS, Postman

CERTIFICATIONS

AWS Certified Solutions Architect Associate

AWS Cloud Practitioner

Cisco CCNA: Switching, Routing, and Wireless Essentials