Atef Arfaoui

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EXPERIENCE

- **Centogene AG** — Berlin, Germany
  Software Engineer — *Oct 2021 - Present*
  - **IGV Web**: Build a custom genome visualization tool based on IGV to diagnose patient genome and discover variants.
  - **CentoCloud API**: CentoCloud API is a web API written in Python used to trigger internal Analysis pipelines for patients and collect generated reports for different analysis steps.
  - **ETL pipelines**: Using Apache Airflow I helped the team to stream line the current ETL jobs and moving Patient Analysis to the Cloud.

- **Kaptio Efh** — Heidelberg, Germany
  Software API Engineer — *Mai 2020 - Sep. 2021*
  - **Land Wrapper**: I worked with my colleagues to integrate different travel aggregators and design unified API that is used internally to search and book for flights, car hire, excursions and transfers.
  - **GDPR compliance Project**: I developed an obfuscation utility to hide users details in the logging system. I mainly used asymmetric encryption to encrypt data in our logs and use RSA key to decrypt it for debugging.
  - **DevOps**: Taking care of infrastructure tasks; developing CI/CD pipelines, maintaining Proxy servers and provisioning of new projects on Heroku

- **Admetrics GmbH** — Frankfurt, Germany
  Backend/Data Engineer — *Jan 2017 - Apr. 2020*
  - **Quantify**: Service for sending email, push and in-app notifications. Involved in features such as delivery time optimization, tracking, queuing and A/B testing. Built an internal app to run batch campaigns for marketing etc.
  - **ETL pipelines**: Create new ETL pipelines to collect ad traffic performance and process
  - **GDPR migration**: I used Bloomfilter data structure to store IP addresses which allows to check the existence of element in a faster manner and also stores a representation of the data which makes them GDPR compliant
  - **Dashboard dev**: Streamline existing workflow in main Dashboard by automating general metrics/dimensions creations creation instead of copying long yaml config files.
  - **Data Warehousing**: Setup, schema design and management of Amazon Redshift. Maintain daily data injection of advertisement traffic into S3 then loading the data to Redshift.

- **Freelancer** — PeoplePerHour.com, Internet
  Software Developer — *2016*
  - **Design Cloud/Web solution on AWS**: I was involved in multiple projects using AWS tools: Lambda functions, EC2, batch Jobs...
  - **API development**: Python backend API development and connecting to multiple APIs; Twitter API, Youtube, Brussels public transport....

PROGRAMMING LANGUAGES

- **Prog Langs**: Python, SQL, bash, Javascript, Golang, Rust..   **Frameworks**: FastAPI, Django, Flask, React..

- **Technologies**: Airflow, AWS, Redshift, Luigi, VIM, GCE, Heroku ..

SPOKEN LANGUAGES

- **Interests**: Crypto, Tennis, Poker, Chess, F1, Running and Bouldering...

- **Languages**: English (Fluent), French (Fluent), Arabic(Mother Language) and German (B1 Level)

EDUCATION

- **National School of Computer Science** — Tunis, Tunisia
  Engineer's Diploma in Computer Science — *Sep. 2013 – Dec. 2016*

- **Engineering Prepatory Institute** — Tunis, Tunisia
  National Engineering Selective Exam; National Rank: 29th — *Sep. 2011 – Jun. 2013*