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THOMAS NYNAS

Full Stack Python Engineer | Python/Django | AI/ML | Javascript |

SUMMARY

I am a **Senior Python Developer** with **7 years of experience** in full-stack web development and **AI-driven solutions**. Over the years, I've worked on **AI-powered SaaS platforms** and high-performance **e-commerce** solutions, utilizing a variety of technologies such as **Python, Django, FastAPI, Flask**, and **Celery** for backend development, and **React, Next.js, Angular**, and **Vue.js** for frontend development. I am skilled in creating robust and secure systems with **OAuth, JWT**, and **Firebase**, and optimizing applications using **GraphQL, Elasticsearch, Redis**, and **AWS**.

I have successfully integrated **NLP** and **LLMs (GPT-4, Bard, Mistral AI)** to automate complex tasks, including sentiment analysis and real-time recommendations. Additionally, I am well-versed in **DevOps** tools like **Docker, Kubernetes**, and **Terraform**, ensuring efficient deployments and infrastructure automation. With experience in **Agile** environments and using tools like **Jira, GitLab**, and **Slack**, I lead teams to deliver high-quality applications while maintaining continuous integration and delivery practices. My expertise in **AI/ML (TensorFlow, PyTorch, OpenCV)** has enabled me to create innovative features, including video-based product recommendations and personalized customer experiences.

SKILLS

- **Frontend** : React, Next.js, Angular, Vue.js, Material-UI, SASS, Tailwind CSS
- **Backend** : Python, Django, Flask, Django REST Framework, FastAPI, Flask-RESTful, Celery
- **Database** : MySQL, MongoDB, PostgreSQL, Redis, GraphQL, REST APIs.
- **AI/ML**: TensorFlow, PyTorch, Keras, Pandas, NumPy, Spacy, NLTK, OpenCV, Moviepy, NLP
- **Language** : JavaScript, Typescript
- **DevOps** : Docker, Kubernetes, AWS(EC2, S3, RDS, Lambda), CI/CD, Terraform
- **Testing** : Jest, Mocha, Supertest, Cypress, Pytest, Selenium

- **Tools** : Git, Github, GitLab, Jira, BitBucket, Slack
- **Principles**: SOLID, TDD, CI/CD, SDLC, Agile (Scrum/Kanban)
- **Other** : JWT, Elasticsearch, Swagger, OAuth, Firebase, SEO, LLMs (LLaMA, Falcon, GPT-4, Bard, Mistral AI), Third-Party API Integrations

EXPERIENCE

AlfaHive – *Full Stack Python Engineer*

Jun 2022 - PRESENT

South Plainfield, New Jersey, United States

- Led the development of a **SaaS platform** that automates business intelligence using **AI-driven analytics**.
- Built a scalable backend using **FastAPI** and **Django REST Framework**, integrating Celery for task queues.
- Designed an interactive frontend with **React**, **Next.js**, and **Material-UI**, improving dashboard performance.
- Implemented **NLP** models with **Spacy** and **NLTK** for sentiment analysis and automated report generation.
- Used **GraphQL** to optimize **API** calls, reducing response times by 30% for complex data queries.
- Architected a **PostgreSQL** + **Redis** database structure, ensuring high availability and optimized caching.
- Integrated **Elasticsearch** for intelligent search capabilities, enhancing data retrieval.
- Deployed with **Docker** and **Kubernetes** on **AWS**, using **Terraform** for infrastructure automation.
- Managed **Agile** sprints with **Jira** and **GitLab CI/CD**, ensuring smooth deployments and rapid iterations.
- Secured authentication with **OAuth**, **JWT**, and **Firebase**, ensuring compliance with enterprise security standards.

Panasonic North America – *Full Stack Python Developer*

Jul 2019 - May 2022

Newark, New Jersey, United States

- Developed a high-traffic **e-commerce platform** with **AI-driven personalization**, serving millions of users.
- Engineered the backend with **Django** and **Flask-RESTful**, optimizing **API** responses and transaction processing.

- Built a multi-framework frontend, leveraging **Angular** for admin dashboards and **Vue.js** for customer interfaces.
- Designed a recommendation engine using **OpenCV** and **MoviePy**, generating **AI**-powered video ads for products.
- Optimized **MySQL** for transactional data and **MongoDB** for storing user preferences and purchase history.
- Implemented **Redis** caching to reduce server load, improving response times by 50%.
- Deployed microservices with **Docker** and **Kubernetes**, automating **CI/CD** pipelines for **AWS** using **Bitbucket**.
- Used **Elasticsearch** for real-time product search, improving customer engagement and conversion rates.
- Automated testing with **Selenium**, **Jest**, **Cypress**, and **Pytest**, reducing production bugs by 40%.
- Led **Slack**-based collaboration, ensuring efficient communication across global teams.

EDUCATION

Alderson Broaddus University – *Bachelor's Degree*

Apr 2016 - May 2019