Software Developer

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**Summary**

* **3+ years** of experience in **designing** and **implementing backend architecture** using **Python, FastAPI, SQLAlchemy**, and **Asyncio.**
* Proficient in **cloud environments**, especially **AWS (EC2, S3, Lambda)**, and skilled in **automating deployment** processes using **Docker.**
* Skilled in designing and optimizing **MySQL** databases with a strong focus on **performance** and **multithreading.**
* Experienced with **Celery, RabbitMQ,** and **Redis** for reliable real-time data processing.
* Worked with **Vue.js** and **Nuxt.js**, enabling efficient **integration** and **maintenance** of **legacy systems.**
* Strong expertise in version control and **CI/CD** workflows using Git, GitHub, and Gitea.
* Developed and maintained **REST APIs** and real-time notification systems for production environments.
* Holds a **Computer Software Engineering Degree** with excellent academic results and proven ability to swiftly master and adapt to new technologies

**Professional Experience**

2023 - Present **Software** **Developer**, **AAC**

* **Used technologies:** Python, FastAPI, SQLAlchemy, Pydantic, Asyncio, Celery, RabbitMQ, Redis, MySQL, PHP, AJAX, HTML, CSS, JavaScript, Vue.js, Nuxt.js, SFTP, AWS EC2, AWS S3, Git, GitHub, Gitea.
* **Developed** scalable **APIs** with **Python, FastAPI, SQLAlchemy, Pydantic**, and **Asyncio.**
* Implemented **data validation**, serialization, and error handling with FastAPI/Pydantic.
* Designed and optimized **MySQL** schemas and complex queries.
* Built task queues and schedulers using **Celery, RabbitMQ**, and **Redis.**
* **Built Machine Learning scripts** and models for internal automations and data analysis.
* Worked with **PHP, AJAX,** HTML, CSS, **JavaScript, Vue.js**, and **Nuxt.js** for integrations and **legacy systems.**
* Deployed apps on **AWS EC2**, managed storage with **S3**, ensured **cloud scalability.**
* Used **Git, GitHub,** and **Gitea** for version control and **CI workflows.**
* Applied **multithreading**, concurrency, and **performance tuning**.
* Integrated **SFTP pipelines** for secure file transfers.

2022 - 2023 **Software Developer**, **EasyCoach**

* **Used technologies:** PHP, MySQL, SQL, web services
* Planned, coded, and deployed **web-based applications** using **PHP** and **MySQL**.
* Managed complex and efficient **SQL queries** and data transport.
* **Developed** **back-end components** to connect applications with web services.
* **Collaborated** with backend and client-side engineers to drive **feature development** and **delivery.**
* Performed **debugging** and **technical problem analysis**

2021 - 2022  **Software Integration Developer**, **Kanzey**

* Wrote **REST API** codes for several **integrations** and administered **WMS software**.
* **Integrated**, **implemented**, and ensured continuous **data delivery** between platforms.
* **Collaborated** with leadership to shape technology decisions, drive strategy, and implement new processes.

**Independent Projects & System Design**

2024 – Present  **Software Developer, Bringer – B2B Delivery Platform**

* **Designed** and **developed** a B2B application connecting businesses with independent delivery riders.
* Designed and implemented **backend architecture** using **Python (FastAPI), MySQL, Celery, RabbitMQ,** and **Redis.**
* Built a tiered rider **notification system** (favorites, normal, blacklist) to optimize delivery assignments.
* **Integrated Firebase Cloud Messaging** for real-time rider notifications and **AWS S3** for secure media storage.
* Managed deployment with **Docker** and **AWS**, ensuring scalability and reliability.

**Education and courses**

2017 - 2020  **Computer Software Engineering Degree**, Braude Academic College, Karmiel

2021 - 2022 **Back-End Bootcamp**, Extreme70, Yaniv Arad

**Technical skills**

**Programming Languages:** Python, PHP, JavaScript, Bash

**Frameworks & Libraries:** FastAPI, Flask, SQLAlchemy ORM, Pydantic, CodeIgniter, Vue.js, Nuxt.js, Vuex

**Databases & Query Languages:** SQL, MySQL, MongoDB

**Cloud & Infrastructure:** AWS EC2, AWS S3, AWS Lambda, Docker

**Messaging & Queue Systems:** RabbitMQ, Redis, Celery

**Frontend & Web Technologies:** AJAX, HTML, CSS, Websockets

**Version Control & CI/CD:** Git, GitHub, Gitea

**Tools & Protocols:** RestAPI, Asyncio, SFTP, Firebase Cloud Messaging

**Military service**

2023 - 2025  **Haravot Barzel**

2014 - 2017  **Warrior at ​​Home Front Command Unit**, IDF

* Discharged with the rank of **Senior Sergeant;** Received a **Certificate of Excellence**

**Volunteering work**

2022 - Present **Dev Online Helpers - SuperHelper**

2022 - Present **Yedidim -** Road assistance for people in need