

FAINE ANGEL

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SUMMARY

Backend Developer with 2.5+ years of experience in C# (.NET) and Python, skilled in developing APIs and QA automation. BSc in Genetics and Biochemistry, seeking full-time Backend Developer and Bioinformatics Software Engineer roles.

PROFESSIONAL EXPERIENCE

Backend Developer — Yellowdot Africa (2022–2024) ([website](#))

- Built and maintained APIs to support 30K+ new subscribers per day and 500K+ daily mobile money transactions, integrating third-party services for seamless operations
- Reduced fake traffic by 15% & boosted customer retention by 10% by integrating fraud prevention
- Developed & managed 15+ automated .NET tasks, optimizing operations with Windows Task Scheduler

QA Automation Developer — Diagnostics.ai (2019–2021) ([website](#))

- Ran thousands of regressions & end-to-end tests using Selenium and Ghost Inspector for functionality
 - Supported AI development by validating software tied to the processing of 20M+ qPCR test samples
 - Contributed to a reduction in PCR test turnaround time, as shown in an [independent lab study](#)
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BACKEND DEVELOPMENT PROJECTS

Backend Developer — Screenshot API with Docker ([GitHub](#))

- Developed a Dockerized Python/Flask-based API to capture dynamic website screenshots, processing client requests and managing image responses
- Key technologies: Python (Flask), Selenium/Puppeteer, Paramiko (SSH), python-dotenv, urllib3

Backend Developer — Image Search App ([GitHub](#))

- Developed and deployed a Dockerized image search engine using Flask and FAISS, supporting query-based filtering and ranking of image embeddings generated by CLIP (OpenAI)
 - Key technologies: Flask, Docker, FAISS, CLIP (OpenAI), NumPy, Streamlit, shared Docker volumes
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EDUCATION & SKILLS

Full Stack Web Development Course, Developers Institute, Tel Aviv (2019 – 2020)

- Key technologies: Python, Flask, Django, HTML, CSS, JavaScript, SQL

Postgraduate Diploma in Biochemistry & Bioinformatics, University of Wits, Johannesburg (2018)

- Key courses: Molecular Genetics & Genomics, Bioinformatics, Biological Information Transfer
- Key technologies: Bioinformatics tools (BLAST, multiple sequence alignment software), Linux/Ubuntu (basic commands: ls, cd, grep), major bioinformatics databases

BSc Genetics & Biochemistry, University of Cape Town (2015–2018)

- Key courses: Molecular Genetics and Genomics, Molecular Bioscience, Biological Information Transfer

Hard skills: C#, Python, SQL, Docker, AWS, GitHub, Flask, Django, JavaScript, Team Foundation Server, (TFS), Basic Linux, Dom Manipulation, Windows Task Scheduler, HTML, CSS, Selenium, Ghost Inspector, Agile Methodologies, Microsoft Office