

# Arsany Samuel

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## Experience

MAR 2023 - PRESENT	<p>“DevOps Engineer” <i>Noury AG. (Switzerland - Remote)</i></p> <ul style="list-style-type: none"><li>• <b>DevOps Engineer (Jul 2023 - Present)</b><ul style="list-style-type: none"><li>◦ Developed CI/CD pipelines for multiple project types, ensuring fast and reliable deployments.</li><li>◦ Containerized applications with Docker and managed deployments using Kubernetes and Helm.</li><li>◦ Architected and managed cloud infrastructure on GCP using IaC, with focus on security, access control, and cost optimization.</li><li>◦ Implemented observability and monitoring systems to ensure service health and performance.</li><li>◦ Oversaw version control, integrations, and development process to enable scalable collaboration.</li><li>◦ Improved developer experience by streamlining tools, workflows, and environment setup.</li></ul></li><li>• <b>Software Developer / DevOps Engineer (Mar 2023 - Jun 2025)</b><ul style="list-style-type: none"><li>◦ Contributed in Designing and implementing a robust backend application for the Noury’s mobile app using Django Rest Framework, ensuring seamless and scalable API integrations.</li><li>◦ Created and customized an ERP solution using Frappe/ERPNext, integrating and synchronizing data with multiple third-party sources to enhance operational efficiency.</li><li>◦ Provided mentorship to interns and team members, offering guidance on best practices and technical skills to foster professional growth and ensure successful project delivery.</li></ul></li></ul>
NOV 2024 - MAY 2025	<p>“Software Developer / DevOps Engineer” <i>Ur-Store Systems AG. (Switzerland - Contract)</i></p> <ul style="list-style-type: none"><li>• Led the backend team and contributed to the implementation of an API backend and ERP system for a reliable, modular platform for unattended retail</li><li>• Built a cloud infrastructure on GCP using IaC, CI/CD, containerization and orchestration config for the whole system</li><li>• Launched 3 successful client projects (unmanned stores) on new platform in first 6 months</li></ul>
JUN 2021 - MAR 2022	<p>“Software &amp; Mechatronics Engineer” <i>Specialist Company for Engineering Solutions. (Alexandria, Egypt)</i></p> <ul style="list-style-type: none"><li>• Developed machine vision applications and user-friendly GUIs that integrates with SQL databases and other devices using network/serial communication.</li><li>• Designed mechanical and electronic circuits, including PCB layout.</li></ul>

## Skills

### • Software

**Programming Languages:** Python, Bash/Shell scripting, C, C++, Javascript, SQL

**DevOps & Cloud Tools:** Linux, Git, Docker, Kubernetes, Terraform, Helm, GitHub Actions, Bitbucket Pipelines, GCP, AWS

**Development Frameworks:** Django, DRF, Flask, Frappe/ERPNext, Qt, OpenCV

**Markup Languages:** Markdown,  $\LaTeX$ , HTML/CSS.

**Other Tools:** EagleCAD, KiCAD, Circuit design, Microcontrollers, SolidWorks

## Projects

NOURY CONSUMER APP

- Designed and developed a scalable backend REST API using Django Rest Framework to support Noury’s consumer mobile application.
- Optimized CI/CD pipelines and automated deployment processes using Docker for containerization and Kubernetes for orchestration, enhancing release efficiency, scalability, and minimizing downtime.
- Implemented monitoring and logging strategies to maintain API performance and reliability.

NOURY RESOURCE PLANNING	<ul style="list-style-type: none"> <li>Engineered a customized ERP system using Frappe/ERPNext, designed to streamline internal operations and enhance business efficiency.</li> <li>Implemented advanced data synchronization techniques to integrate multiple third-party data sources and APIs, ensuring real-time updates and accurate information across systems.</li> <li>Customized ERP modules and workflows to meet specific business needs, including automated reporting and process automation to improve operational efficiency.</li> <li>Optimized system performance and scalability, adapting the ERP solution to support growing business demands and evolving requirements.</li> </ul>
UR-STORE PLATFORM	<ul style="list-style-type: none"> <li>Led the backend team and contributed to the implementation of an API backend and ERP system for a reliable, modular platform for unattended retail.</li> <li>Built a cloud infrastructure on GCP using IaC, CI/CD, containerization and orchestration config for the whole system.</li> <li>Launched 3 successful client projects (unmanned stores) on new platform in first 6 months.</li> </ul>

## Training and Certifications

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FEBRUARY 2026	“Professional Cloud Architect” <i>Google</i> <a href="https://credly.com/badges/7ef1d890-0bdd-4124-b552-d74fefa5ebbb/public_url">credly.com/badges/7ef1d890-0bdd-4124-b552-d74fefa5ebbb/public_url</a>
JUNE 2025	“Associate Cloud Engineer” <i>Google</i> <a href="https://credly.com/badges/515940bf-b2cd-4879-9306-2c6c4f411098/public_url">credly.com/badges/515940bf-b2cd-4879-9306-2c6c4f411098/public_url</a>
APRIL 2023	“Agile Explorer” <i>IBM</i> <a href="https://credly.com/badges/7b1b3f1f-edc3-4ffd-9328-7c55b4078b57/public_url">credly.com/badges/7b1b3f1f-edc3-4ffd-9328-7c55b4078b57/public_url</a>
MARCH 2023	“Thinking and Creating with Code” <i>EPFL Extension School</i> <a href="https://learn.extensionschool.ch/verify/Vq0zb0AyD9p1">learn.extensionschool.ch/verify/Vq0zb0AyD9p1</a>
SEPTEMBER 2022	“CS50x” <i>Harvard University</i> <a href="https://certificates.cs50.io/fe015e39-3d8e-48ad-a13b-4177ec41e108.pdf">certificates.cs50.io/fe015e39-3d8e-48ad-a13b-4177ec41e108.pdf</a>
JULY 2021	“CSWE: Certified SolidWorks Expert - Mechanical Design.” <i>Dassault Systèmes</i> C-6NMDPAQ9UE

## Education

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2016 - 2021	“B.S.E. in Agricultural Engineering” <i>Faculty of Agriculture, Alexandria University</i>
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