Rares-Andrei Ialomiteanu

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Aspiring Full Stack Engineer with DevOps and cloud experience, exploring personal ideas using Rust and frameworks such as Next.js through personal projects. Motivated to grow professionally and contribute to innovative full-stack solutions.

Work Experience

Site Reliability Engineer *Worldline*

April 2025 - Present

FinTech   market-facing services; production support; maintenance

Responsibilities

- Developed **Python services** to automate S3 transfers of bank transaction reports, reducing failures and ensuring reliable processing of millions of financial transactions daily.
- Streamlined deployment of containerized microservices using **OpenShift**, **Helm**, and **GitLab CI/CD**, enabling zero-downtime releases and implementing Stakater Reloader to hot-reload configuration changes, minimizing manual intervention during on-call support.
- Deployed and maintained client-facing GUIs and microservices on a multi-data center **Kubernetes/OpenShift** cluster, supporting high-availability and scalable operations.
- Ensured **PCI DSS compliance** across private cloud environments by configuring mTLS and enforcing strict security measures between systems and clients.
- Integrated **Splunk** with **auditd** to track and alert on file access and modifications across VMs, protecting the integrity of critical system and configuration files for PCI DSS compliance.
- Configured **Keycloak** to manage authentication for client and bank users accessing GUIs, centralizing identity and access management.
- Implemented security hardening in JBoss Elytron and Spring Boot applications by enforcing TLS, secure keystore management, and strict authentication policies aligned with banking standards.
- Designed and maintained **Grafana dashboards** and **Bash automation scripts** for monitoring, enabling on-call engineers to quickly investigate incidents and system anomalies.
- Used **PostgreSQL** to query failed events and implement automated alerts for on-call SREs, ensuring timely response to production issues.
- Maintained transaction systems on **IBM MQ** and **Apigee**, ensuring stable operation of high-volume production workloads.
- Implemented SLA/SLO monitoring for client-facing GUIs and back-office services, automating daily report delivery via **Python scripts** to S3 buckets and configured SFTP accounts for the reporting team.
- Authored **documentation** and on-call handbooks to standardize incident response and knowledge transfer across the team.
- Collaborated with Product Development teams to create a Proof of Concept for containerizing legacy microservices, facilitating migration from VM-based deployments to **Docker**.

Tech Stack   Terraform, Puppet, Bash, Python, Grafana, Kubernetes, PostgreSQL, Gitlab CI/CD, AWS Services, Linux, Keycloak, HAProxy, Nginx.

DevOps *1&1 Internet Development* `July 2024 - April 2025`

`Email Industry` production; maintenance

`Responsibilities`

- Maintained and optimized **Linux-based infrastructure**, focusing on scalability and performance for production workloads.
- Automated provisioning and configuration of **KVM** virtual environments with **Puppet**, **Terraform**, and **GitLab CI/CD**.
- Deployed and maintained multi-datacenter **Apache Cassandra** clusters to log and manage high-volume user permission events, ensuring reliable auditing and traceability.
- Authored and maintained **runbooks** and **on-call handbooks**, reducing incident resolution time and enabling smoother knowledge transfer across the team.

`Tech Stack` Linux, Bash, Python, KVM, Puppet, Terraform, Gitlab CI/CD, Apache Cassandra, HAProxy.

Full-Stack Engineer *SiSC - Student Association* `November 2023 – June 2025`

`University-related Projects` developing and maintaining

`Responsibilities`

- Developed and maintained the website for our theater festival STS, building both frontend and backend using **Express.js** and setting up a **VM host with PostgreSQL** for persistence.
- Implemented **Sequelize ORM** for the backend with secure routing practices for API calls.
- Configured **GitLab CI/CD pipelines** to streamline deployment for the development team.
- Designed a fully responsive interface with **custom vanilla CSS**.
- Integrated a **ticket acquiring system** by connecting with the external platform bilet.ro.
- Developed a **React + TailwindCSS platform** to vote participating theater groups, with **Google OAuth2** for secure login.
- Maintained Ubuntu VM deployed using Digital Ocean to host our Node.js services and serve static front-end using Nginx.

`Tech Stack` React, TypeScript, Express.js, Sequelize, PostgreSQL, Gitlab CI/CD, Linux, Bash, Google OAuth2, Node.js, TailWindCSS, Nginx.

Technology Intern *LSEG* `June 2023 – September 2023`

- Developed a full-stack trading platform simulation for investors, featuring a Java Spring Boot backend and a React.js frontend. Implemented RESTful APIs to ensure secure and efficient data management, enabling realistic investment operations and user interactions

`Tech Stack` React, Spring Boot, MySQL

Freelancing / Personal Projects ━━━━━

E2E Solution *Kano Boutique Hotel* `June 2025`

`Paid Service`

- Developed a professional website for a hotel in Zanzibar as a paid freelance project. The platform features a clean, minimalist design and integrates directly with the hotel's Property Management System (PMS). Implemented API connections to enable seamless booking management and secure online payments through external payment gateways.

  `Tech Stack` React, TypeScript, Express.js, Drizzle, PostgreSQL, Google OAuth2, Node.js, TailWindCSS, Motion.

Housing Platform *Room-m8s* `WIP`

`Personal Project`

- Room M8s is a platform designed to help students connect and find compatible roommates or housing options during and after university life. It's a personal project of mine that I'm currently working on.

  `Tech Stack` Next.js, React, TypeScript, tRPC, Drizzle, PostgreSQL, Google OAuth2, Node.js, TailWindCSS, WebSockets, Redis, Vercel.

Education

Bachelor's Degree *The Bucharest University of Economic Studies*   **2021 - 2024**

- Topic: Economical Cybernetics

Languages

Romanian: Native language
English: Advanced Proficiency (C1) - Cambridge Certified