

# David Tchekachev

CKA-Certified Site-Reliability Engineer | Distributed Systems & Cloud | Kubernetes - Node.js - Python

Final-year Computer Science engineering student at EPITA, passionate about building distributed, cloud-native systems.

Experienced in deploying scalable backends with Kubernetes, RabbitMQ, Redis, and NodeJS. Seeking a hands-on SRE internship or junior role **starting Feb 2026** to contribute to innovative infrastructures with unique challenges.

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## WORK EXPERIENCE

**IVAO.AERO** | **WEB TECH LEAD** | Reference: Alex Altea <[alex.altea@ivao.aero](mailto:alex.altea@ivao.aero)>

Remote | Jan 2021 - Now

- Operated and optimized a **distributed Kubernetes-based microservice architecture** (20+ systems, 40M+ daily requests), focusing on availability, resilience, monitoring, and automation to minimize downtime.
- Building in-house services with **RabbitMQ, Redis, MariaDB, Kong** with scalability and resiliency objectives to prevent downtime for users.

**DELOITTE** | **IT M&A CONSULTANT** | Reference: Mathieu Correia <[mcorreia@deloitte.fr](mailto:mcorreia@deloitte.fr)>

Paris, France | Sept 2024 - Jan 2025

- Analyzed complex IT architectures and in-house software systems across **7 M&A deals** to assess scalability, risks, and technical debt.
- Took ownership of a **smaller engagement with full autonomy**, including interviews, system evaluations, and final recommendations.

**DELOITTE** | **INNOVATION TECHNOLOGY DEVELOPER** | Reference: Daniel Brunner <[dabrunner@deloitte.lu](mailto:dabrunner@deloitte.lu)>

Luxembourg | Jun 2023 - Aug 2023

- Designed and implemented best-practices technical solutions built on **Python, JavaScript, and AWS** for internal and clients' projects.
- Built and deployed 2 mobile applications fully integrated with **SAP, Salesforce, and AWS**, used by 3,000+ employees daily.

**AGGAEUS** | **SOFTWARE ENGINEER** | Reference: Haggai Klorman <[haggai@aggaeus.com](mailto:haggai@aggaeus.com)>

Israel & Remote | Dec 2021 - Jun 2023

- Designed and deployed backend services (NestJS, Python) powering production systems (**AWS & K8s**) used by **5,000+ users**.
- Collaborated with non-tech project managers, assessed technical feasibility and estimated development timelines with accuracy.

**FREELANCE** | **SOFTWARE ENGINEER**

Freelance | Mar 20 - Now

- Delivering custom IT solutions (mostly Symfony, PHP) to 3-5 SMEs, and **deploying them in their specific IT environments (Bare-metal, Cloud)**.
- Analyzing existing IT landscape to **suggest cost-effective improvements** over a couple of months, minimizing disruptions to business operations.

## CERTIFICATIONS

**CKA: Certified Kubernetes Administrator** (2025): Validating skills in deploying, managing, and troubleshooting production Kubernetes.

**CAST Highlight** (2024): Software analysis tool for tech due diligence and codebase risk assessment.

**AWS Technical Essentials** (2022): Foundation-level course covering IAM, EC2, VPC, and basic cloud architecture principles.

## SKILLS

**Tech Stack:** Typescript (ReactJS, NodeJS, NestJS), Python (Flask, Django), Rust (Actix), Go (Kong plugin), C (Univesity), SQL, Exposure to Java

**Cloud & DevOps:** Git, AWS, Docker, Kubernetes (K8s), Linux, REST APIs, CI/CD, Terraform, RabbitMQ, Pipelines (GitHub Actions & GitLab)

**Systems:** Debian/Ubuntu, NixOS, TCP/IP, DNS, ICMP, Load Balancing, OpenStack, Shell, Socket, File Descriptors, LXC/QEMU

**Soft Skills:** Communication, Initiative, Ownership, Teamwork, Problem-Solving, Adaptability, Lead-by-Example

**Languages:** Professional **English** TOEIC (985/990) & TOEFL (109/120), Native **French**, Native **Russian**

## EDUCATION

**EPITA - Information Systems & Software Engineering Major** 

Lyon & Paris, France | 2020 - 2026

**FINAL-YEAR COMPUTER SCIENCE ENGINEER STUDENT - CLASSES: LEADERSHIP & MGMT, CLOUD & ARCHITECTURE, APPS, BUSINESS & IT**

- Specialized in **Cloud Architecture, DevOps, and Application Engineering** while learning about today's enterprise IT challenges.
- Built a **self-service, resilient, and redundant Hybrid Cloud** platform on **OpenStack & AWS** to deploy Web apps.
- Deployed a **production-like Kubernetes environment** with strict requirements (availability, security, and segmentation) and state-of-the-art tools (Terraform, ArgoCD, Helm, ACLs, Network Policies)

**TECHNION**

Haifa, Israel | 2022

**COMPUTER SCIENCE EXCHANGE SEMESTER**

## LEADERSHIP & VOLUNTEERING

**VOLUNTEER TEAM LEADER** 

PARIS 2024 OLYMPICS & PARALYMPICS | JUL 2024 - SEPT 2024

Managed more than 300 volunteers assisting international federations and ministers to ensure seamless daily operations.

**NATIONAL ICE HOCKEY REFEREE** 

FRENCH HOCKEY FEDERATION | SINCE 2020

Officiating high-intensity semi-pro & professional games, making split-second decisions under pressure and clearly communicating them to all actors.

References: Available upon request