Jonathan D.

Software Developer | DevOps

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Summary

With **over 5 years of experience** in this field, I possess a strong working knowledge of operations. My background includes various, mostly **cross-functional roles**, which has equipped me with an **excellent analytical ability** and a comprehensive understanding of the **entire business**, not just the technical aspects.

Experience

ITTI ⊕

Senior Application Security Engineer (Full-Time)
Buenos Aires (Hybrid)
June 2025 - Present

A member of the cybersecurity team, collaborating with **15 agile squads** to enforce **Secure Software Development Life Cycle (SSDLC)** compliance for over **45 organizations**. Responsibilities included engagement from the **initial design phase** through to **production deployment** for all new corporate features and products.

- **Architecture & Design:** Participation in architecture meetings to define security requirements and guide strategic technical ideas.

- **Security Standards & Documentation:** Defined security best practices and created comprehensive documentation for standards across various programming languages, frameworks, and development processes.

- **Threat Modeling:** Performed detailed threat modeling using **STRIDE** and **DREAD** methodologies.

- **Internal Tool Development:** Developed internal security tools to streamline processes and improve automation.

- **Centralized Security Pipelines:** Maintained centralized security pipelines, ensuring their execution across over **5,000 repositories** throughout the group and **40+ organizations**, primarily utilizing **GitHub** and **GitHub Actions**.

- **Hardcoded Secret Reduction:** Reduced hardcoded secrets by **50% per quarter** through the development of internal tools, leveraging **TruffleHog**, **Python**, **AWS Lambda**, **AWS RDS**, **AWS EventBridge**, and **GitHub Actions**.

- **SCA Vulnerability Remediation:** Achieved a total cleanup of critical and high-severity **SCA (Software Composition Analysis) vulnerabilities**, reducing them by over **30% per quarter**, using **Checkmarx**.

- **Security Guardians Program:** Co-Created and maintained a **Security Guardians program** to enforce security best practices directly within development teams.

- **Reporting & Metrics:** Generated quarterly reports, building metrics and dashboards to track and present compliance with tasks and objectives.

- **Data Ingestion & ETL:** Lead and Managed **ETL (Extract, Transform, Load)** and data ingestion processes for the cybersecurity squad, collaborating with the Data team using **AWS Athena**, **AWS QuickSight**, **AWS S3**, **Python**, and **Dreamcore**.

Cloud Legion ⊕

Lead DevOps Engineer (Full-Time)
Remote
Sept 2023 - June 2025

Serving in a multifaceted capacity, spanning **architecture design, software development, DevOps engineering, and system administration**. I was responsible for simultaneously elevating the **team's technical skills** and ensuring the successful delivery of business requirements.

- **On-Premise Infrastructure:** Conducted on-premise infrastructure assessments and provided strategic consultation for hardware acquisition based on business requirements.

- **Virtualization & Containerization:** Managed and maintained Linux and Windows servers (using **Hyper-V** / **Proxmox**), along with virtual machines and containers (**LXC**, **Docker**).

- **Cluster Management:** Oversaw the administration of container orchestration clusters (**Docker Swarm**, **K3S**).

- **Network & Security Tooling:** Managed critical application infrastructure components, including **Kong** as an API Gateway, **Cloudflare WAF L7** for protection, and **Cloudflare Tunnels** for secure public access to applications.

- **Network Support:** Provided support to the network team, specifically utilizing **FortiNET** appliances.

- **CI/CD Implementation:** Implemented and maintained comprehensive pipelines in **Azure DevOps**, incorporating quality control steps (**Sonarqube** and various testing frameworks).

- **Microservice Templates:** Created standardized templates for microservices development (**Next.js**, **React**, **Node.js**) to accelerate development and ensure consistency.

- **Infrastructure Monitoring:** Maintained active infrastructure monitoring using **Netdata** and ensured application error tracking with **Sentry**.

- **Security & Uptime Monitoring:** Managed security monitoring (**Wazuh** for XDR/SIEM) and uptime checks (**UptimeKuma**).

- **Dashboard & Alerting:** Created comprehensive dashboards in **Sentry** and **UptimeKuma** to display application status and errors, configuring **webhooks and alerts** for infrastructure and cross-functional teams via Teams.

- **Team Leadership:** Led and mentored a DevOps team of **5+ individuals**.

- **Mentorship & Recruitment:** Responsible for training new personnel and participating in technical interviews.

- **Architectural Design:** Designed architectural solutions for the company, working directly with the **CISO, CTO**, and the client.

- **Client Management & Requirements:** Served as the technical liaison with clients, translating **business requirements** into concrete **technical specifications**.

- **Quality Documentation:** Created detailed documentation for processes and defined quality standards across the **Infrastructure, Development, and Testing** areas.

Incubator ⊕

Software Developer (Full-Time)
Remote
Dec 2021 - Ago 2023

- **Custom Solution Development:** Built and deployed custom software solutions (web, mobile, and backend) using technologies like **React, Next.js, NestJS, React Native, MongoDB, and AWS services**.

- **Requirements Gathering:** Managed direct client relationships to capture and translate business needs into technical specifications.

- **Impactful Delivery:** Delivered a successful **IoT smart parking control system** for the Tigre municipality, a case study that was later expanded to the city of Córdoba.

Homelab
March 2023 - Present

This project represents my space for continuous, day-to-day learning, where I have successfully implemented and maintained the following infrastructure to date.

- **Compute & Virtualization:** Managed a high-availability **Proxmox Cluster** across 3 MiniPCs (i7, Ryzen 3, N100), hosting ≈30 LXCs and various VMs. Ensured data integrity using **Proxmox Backup Server** with redundancy (3 on-site, 1 off-site backup locations).
- **Networking & Security:** Implemented comprehensive L2/L3 networking using **Mikrotik** (routing, DNS, internal firewall rules, and **VLANs**: Personal, Projects, Lab). Secured public services using **Cloudflare Zero Trust** tunnels, WAF rules, and secure remote access via **Wireguard VPN**.
- **Identity & Access Management:** Deployed a zero-trust model utilizing **Zoraxy** (L7 reverse proxy) and **Authelia** to enforce Multi-Factor Authentication (MFA) on applications without native login. Managed user identity with **lldap** federation.
- **Observability & Monitoring:** Established a full observability stack using **Grafana + Prometheus** for metrics, dashboards, and alerting. Integrated **Sentry** for error logging, **UptimeKuma** for service status, and **Wazuh** for XDR/SIEM capabilities.
- **Automation & DevOps (IaC):** Utilized **Terraform** and **Ansible** for Infrastructure as Code (IaC) provisioning. Managed CI/CD pipelines and version control using **GitHub Actions** and a local **Gitea** mirror. Automated internal processes via **N8N**.
- **Certificates & Data:** Managed automatic **Let's Encrypt** SSL certificate renewals for internal resources with Cloudflare DNS resolution. Provided personal file resources via **ownCloud**.

Mainhost
Game Server Hosting
July 2025 - Present

Mainhost is a **multi-game hosting platform** specializing in providing **free servers** for popular titles like **Minecraft** and **GTA Samp**. The service also features its own dedicated community servers for user engagement.

- **Full Product Lifecycle:** Handled the entire product development process, including coding, deployment, and executing the **marketing campaign** for user acquisition.
- **Continuous Improvement:** Implemented product enhancements and feature updates based on direct user feedback to improve the overall service quality.

🔗 https://mainhost.dyallab.com.ar/

Dyabox
Game Retro Store
July 2025 - Present

- **Retail Store:** IT supplies, video game consoles, and accessories for gamers.
- **Product Development:** Development of a proprietary retro console based on RetroPie.

🔗 https://dyabox.dyallab.com.ar/

Rustlang ES
Staff Member
Remote
Sept 2024 - Present

🔗 https://rustlang-es.org/

DevOps Club - La Plata
Staff Member
La Plata (On-Site)
May 2023 - Abr 2025

🔗 https://linktr.ee/clubdevops