

VASILE OVIDIU ICHIM

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PROFESSIONAL SUMMARY

Technical Lead and Co-Founder with 7+ years of software engineering experience, specializing in full-stack development, cloud infrastructure, and system architecture. Experience includes enterprise infrastructure management at IBM and developing solutions for Inditex through Knowmad Mood. Core expertise in Python, Django, JavaScript, AWS, and DevOps automation. Currently leading technical strategy and development teams at Valerdat, building data-driven SaaS solutions for procurement and supply chain optimization. Passionate about building scalable, maintainable software and mentoring engineering teams. Continuously learning through part-time Computer Science degree while staying current with emerging technologies.

PROFESSIONAL EXPERIENCE

Valerdat

Co-founder & Tech Lead

March 2022 - Present

- Co-founded and lead technical development of AI-powered intelligent purchasing assistant for supply chain optimization
- Architected Next-Gen MRP platform using machine learning for demand prediction and automated purchase order generation
- Led development team of 5 engineers building scalable data pipelines using Databricks processing 120K+ product references
- Designed RESTful APIs and backend systems connecting real-time data from demand, stock, suppliers, and external variables
- Implemented probabilistic forecasting models to predict sales and optimize inventory policies dynamically
- Established engineering best practices including code reviews, automated testing (pytest, unittest), and documentation
- Managed AWS cloud infrastructure and data processing workflows supporting enterprise procurement operations
- Technologies: Python, Django, PostgreSQL, Redis, Celery, Docker, Databricks, Machine Learning, React, AWS, Terraform

Knowmad Mood (Client: Inditex)

Senior Software Engineer

March 2022 - March 2024

- Developed strategic planning platform for Inditex's Security Department managing supply chain operations
- Built enterprise web applications using Django, React, and Node.js serving internal Inditex teams
- Implemented microservices architecture improving system scalability and performance
- Designed RESTful APIs for web and mobile platforms used by security and operations staff
- Optimized PostgreSQL database queries for complex reporting and analytics
- Collaborated with international teams using agile methodologies and JIRA
- Deployed applications using Docker containers and implemented CI/CD pipelines
- Technologies: Python, Django REST Framework, React.js, PostgreSQL, MongoDB, Redis, AWS

IBM

System Administrator

February 2021 - March 2022

- Managed 200+ Linux servers (RHEL, Ubuntu) ensuring 99.95% availability for mission-critical applications
- Automated system administration tasks using Python and Bash reducing manual effort by 60%
- Implemented monitoring solutions (Nagios, Prometheus, Grafana) improving incident response time by 40%
- Optimized system performance identifying bottlenecks and implementing security patches (SELinux, firewall rules)
- Collaborated with global DevOps teams managing infrastructure for Fortune

500 enterprise clients • Developed Python automation scripts for log analysis, backup management, and resource provisioning • Participated in on-call rotation providing 24/7 support for production infrastructure • Technologies: Linux (RHEL/Ubuntu), Python, Bash, Ansible, Docker, Jenkins, Git, VMware

DATAxIP SL

Developer and System Administrator

February 2018 - February 2021

- Developed full-stack web applications using Django, Vue.js, and modern JavaScript frameworks • Implemented AWS cloud services (EC2, S3, RDS, CloudFront) reducing infrastructure costs by 25% • Designed and optimized MySQL/PostgreSQL databases supporting 100K+ records with efficient indexing
- Built RESTful APIs and integrated third-party services (Stripe payments, SendGrid, Google Analytics) • Established DevOps practices including automated deployments, version control (Git), and staging environments • Managed client relationships delivering projects on-time with 95%+ satisfaction rate • Implemented responsive UI/UX designs ensuring mobile-first approach and accessibility standards • Technologies: Python, Django, Vue.js, MySQL, AWS, Docker, Nginx, Git, Bootstrap

TECHNICAL SKILLS & EXPERTISE

Programming Languages & Frameworks:

Python (Expert) • Django • Flask • FastAPI • JavaScript/TypeScript • Node.js • React.js • Vue.js • C/C++ • Bash Scripting • SQL • GraphQL • HTML5/CSS3 • Tailwind CSS

Databases, Cloud & DevOps:

PostgreSQL • MySQL • MongoDB • Redis • AWS (EC2, S3, RDS, Lambda) • Docker • Kubernetes • CI/CD (Jenkins, GitLab CI) • Terraform • Nginx • Linux (RHEL, Ubuntu) • Ansible

Software Engineering & Leadership:

Microservices Architecture • RESTful API Design • System Design • TDD/BDD • Unit Testing • Technical Leadership • Team Management • Agile/Scrum • Code Review • Mentoring

EDUCATION

Bachelor's Degree, Computer Science (In Progress)

The Open University

September 2023 - September 2027

Currently pursuing Bachelor's degree in Computer Science through The Open University while maintaining full-time professional responsibilities. Focus on advanced computer science fundamentals, software engineering principles, and emerging technologies.

FEATURED PROJECTS

NFT-Generator

- :zap: This is an open source project that allows you to generate NFT from a base template and plu...

Language: Python | 25 stars | 3 forks

github.com/zabbix-byte/NFT-Generator

ztdriver

- Kernel driver with associated user mode functionality

Language: C++ / ■ 10 stars / ■ 1 forks
github.com/zabbix-byte/ztdriver

ztui

- Base Overlay Cheat with Kernel Driver and Usermode Integration.

Language: C++ / ■ 10 stars
github.com/zabbix-byte/ztui

zt_cs_cheat

- ZT CS GO CHEAT | ESP, AIM , BHOP, RAGE, DLL LOADER

Language: Python / ■ 8 stars

PyPulse

- Open-source project that simplifies the creation of desktop applications based on Chromium

Language: Python / ■ 7 stars / ■ 1 forks

DiscordEasyCloner

- ■DiscordEasyCloner, App that simplifies the process of duplicating Discord servers.

Language: Python / ■ 6 stars / ■ 13 forks