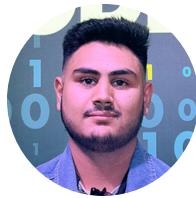# Yashdev Singh

Email — Portfolio — Github — LinkedIn

Full-stack **Software Developer** with expertise in **React, Django, Spring Boot, Go** and **System Administration**. Experienced in containerization, CI/CD pipelines, cloud platforms, and building scalable web applications. Strong foundation in computer science from 42 Málaga Fundacíon Telefónica and vocational training, working with low-level and high-level programming. Proven track record delivering secure, performance-optimized solutions in international environments.

Technical Skills

Languages: Golang, JavaScript/TypeScript, C/C++, Python, Java
Frontend: React, Tailwind CSS, Three.js/WebGL, HTML/CSS
Backend: Gin Gonic, Django, Node.js, Spring Boot, REST APIs, WebSockets
DevOps: Docker, Kubernetes, GitHub Actions, Git, CI/CD
Systems: Linux/Windows Servers, Active Directory, DHCP, DNS, Network Security
Cloud: AWS, OCI
Database: PostgreSQL, MongoDB
Tools: Grafana, Prometheus, Axios, Bash

Professional Experience

Venty – Full-Stack Developer   *2025 – Ongoing*
- Developed and maintained a large-scale **API backend** using **Golang (Gin Gonic)** with a **React/TypeScript** frontend, supporting **500+ monthly users**
- Implemented **AWS Lambda** functions for image generation and variant processing, integrating with **Amazon S3**
- Designed and maintained **PostgreSQL** database schemas, managing migrations with **Atlas**
- Handled quality assurance, collaborating closely with customers to gather requirements and provide demos

Qlance – Network Administrator   *2023 – 2024*
- Built complete networking infrastructure from scratch serving **50+ users** with **Grafana/Prometheus** monitoring
- Managed **15+ Windows/Linux servers** (Active Directory, DHCP, DNS) achieving **99.9% uptime**
- Configured enterprise firewalls and security protocols, reducing security incidents by **40%**
- Implemented automated backup solutions and disaster recovery procedures

DDM2 – JavaScript Developer   *2022 – 2023*
- Developed **5+ responsive web applications** using **React** and **WordPress** with REST API integration
- Improved website load times by **30%** and SEO rankings by **25%** through optimization techniques
- Collaborated with **3-person backend team** to deliver full-stack solutions for client projects

Projects

Expense Tracker – github.com/YD-S/expense_tracker
- Full-stack financial management app: **Spring Boot, PostgreSQL, React, Docker**
- Implemented **JWT dual-token authentication** and RESTful APIs
- Deployed with Docker containerization and automated testing pipeline

Ft_Transcendence – github.com/YD-S/ft_transcendence
  - Real-time multiplayer 3D Pong game using **Three.js/WebGL** and **Django WebSockets**
  - Custom server-side rendering with React-type components supporting **many concurrent users**
  - Integrated tournament system with live leaderboards and user authentication

HomeLab – Personal server
  - Built a self-hosted infrastructure on **Proxmox with Kubernetes clusters**
  - Automated deployments using **ArgoCD with GitOps** workflows, secured access through WireGuard VPN
  - Integrated **Nginx Proxy Manager, TrueNAS, and Jellyfin** for reverse proxying, storage, and media services

Education

42 Common Core – 42 Málaga, École 42   *2022–2024*
  - Intensive project-based curriculum: **C/C++, JavaScript, Docker, Python** with focus on algorithms, OOP, and peer-to-peer programming

Technician in Network and Systems Administration – IES Fuengirola Nº1   *2020–2022*
  - Network infrastructure design, Windows Server administration, Active Directory management

Certifications

AWS Cloud Essentials – Udemy (2025)
OCI Foundations Associate (2025)

Languages & Work Authorization

Languages: English (Native), Spanish (Native)
Status: Spain Work Authorization (Spanish Resident)