

Kees Binchesco Rodriguez

Fullstack Developer

✉ kees.rodriguez@gmail.com

📞 +31 616558933

📍 Netherlands, North Brabant, Den Bosch

🌐 <https://kees.kreative-kompas.com>

Profiles

 [LinkedIn](#)
[kees.rodriguez](#)

 X
[Binchesco](#)

 [Github](#)
[Khyretos](#)

Languages

Spanish
Native
●●●●●

Dutch
Native
●●●●●

English
Native
●●●●●

Interests

 **Programming**
Game Development, Freelance

 **Fitness**
Gym, Kickboxing, Walking

 **Home Server**
Docker, Self Hosting, Open Source, Network, Security

 **3D Printing**
FreeCAD, Resin, Modeling, Painting

 **AI**
Text Generation, Image Generation, Code Assistant, Local Models

Fullstack developer with a passion for **embedded systems** and **firmware development**. Beyond my professional experience in **Java**, **.NET**, and **low-code** platforms, I have independently deepened my skills in **C/C++**, **Qt**, and **microcontrollers** like the **ESP32** and **Arduino**. In personal projects, I have programmed **firmware**, worked with **UART** and **I²C**, and configured **ZMK** firmware for custom keyboards. My work at the **IND** and **SNS** taught me to build **scalable**, **fault-tolerant systems** skills I now combine with my love for **hardware-near programming**. I thrive in **independence** but come into my own in a **team** where we build, brainstorm, and grow together. **Curious, positive, and goal-oriented**, I see challenges not as obstacles but as opportunities.

Work Experience

Immigration and Naturalisation Service (IND) Netherlands, The Hague
Java Software Developer September 2025 - September 2026
Working on *Nexus*: the new, mission-critical immigration system. Within an **Agile/Scrum** team, I develop **event-driven microservices** using **Axon** and **Apache Kafka**. I translate complex legal processes into **fault-tolerant, scalable** solutions and ensure **data integrity** in a **distributed** environment using **CQRS/Event Sourcing**.

Core Competencies: Java · Axon Framework · Apache Kafka · Microservices · Event Sourcing · CQRS · Distributed Systems · Agile/Scrum · High Availability · Mission-Critical · Domain-Driven Design · Grafana · Docker · Mermaid Diagrams · UML · BPMN · DMN

SNS Bank Netherlands, Utrecht
FullStack Developer October 2022 - July 2025
Working in the **DevOps** team for **Investing, Savings, and Lending**. I developed **end-to-end** both frontend and backend of financial services. I designed **microservices** with **Java (Spring Boot)** and **RESTful APIs**, with attention to **scalability, performance, and security**. Working in a heavily regulated environment taught me to work with **fault-tolerant, transaction-driven systems**.

Core Competencies: Java · Spring Boot · Microservices · RESTful APIs · Fullstack · DevOps · CI/CD · Financial Sector · Scalability · Performance · Security · Agile/Scrum · Grafana · Docker

Novulo Netherlands, Enschede
Solution Engineer September 2021 - September 2022
Active in the **Inventory** team. I designed and developed **unique, reusable components** for the **Novulo Low-Code Platform**. By combining **business process analysis** with **low-code** development, I created **generic building blocks** that significantly improved **operational efficiency** and **scalability** for clients.

Core Competencies: Solution Engineer · Low-Code Platform · Business Process Analysis · Reusable Components · Generic Building Blocks · Operational Excellence · Scalability · Inventory Management · Requirements Engineering · Component-Based Development

Programming Skills

</> Java

Intermediate

Spring Boot, Maven, Kotlin, Axon, AsyncAPI, OpenAPI

</> C#

Beginner

.NET 6, Blazor, Unity

</> C++

Intermediate

C++17, Qt 6, CMake, Object-Oriented Programming (OOP)

</> C

Intermediate

Embedded C, Firmware Development, Bare-Metal Programming, Memory Management

</> Python

Intermediate

3.11, 3.12, API Integration, Automation, Gradio, Docker

Database Management

Intermediate

MSSQL, Postgres, MySQL

Web Development

Intermediate

HTML, JavaScript, CSS, Angular, Node.js, Electron

Experience

Insphire International B.V.

Netherlands, Utrecht

Project Delivery Specialist

March 2017 - March 2020

I played a key role in the implementation of an **innovative software solution** for the rental industry. I worked closely with clients to understand their **unique needs** and delivered **tailored solutions** that streamlined **logistics, invoicing, and contract management**. My **consultative approach** and **stakeholder management** ensured smooth implementation and measurable **operational efficiency improvements**.

Core Competencies: Project Delivery · Consultancy · Stakeholder Management · Requirements Engineering · Software Implementation · Logistics · Invoicing · Contract Management · Customer-facing · Operational Efficiency · Scalable Solutions · Process Optimization · B2B

Van der Lelie

Netherlands, Leiden

Junior .NET Developer

March 2020 - September 2021

Responsible for the **modernization** of a **Delphi legacy system** to a modern **web application** with **Angular** as frontend and **.NET** as backend. I migrated **complex databases** (MySQL, MSSQL, and Paradox) to a streamlined, **performant** data infrastructure and improved the **overall architecture**, from data modeling to **code optimization**.

Core Competencies: .NET · Angular · Delphi · Database Migration · MySQL · MSSQL · Paradox · Legacy Modernization · Web Applications · Architecture Improvement · Fullstack · Data Engineering · Refactoring · Performance Optimization

Education

Pontificia Universidad Católica Madre y Maestra

Bachelor · Not Completed

Telematics Engineering

Santo Domingo, Dominican Republic · 2007-2017

An **interdisciplinary** study combining **electronics, computer science, telecommunications, and IT**. I completed **all coursework up to the final year**, with a focus on designing, developing, and implementing **communication, navigation, and control systems**. This broad foundation gave me insight into the **full stack**: from hardware interfaces to network protocols and embedded software.

Core Competencies: Electronics · Computer Science · Telecommunications · Embedded Systems · Communication Systems · Navigation Systems · Control Systems · Hardware-Software Interfacing · Network Protocols · System Integration · IoT · RTOS · Signal Processing

Linux Skills

🐧 Filesystems & Storage

Intermediate

Filesystem Management (ext4, btrfs), Mounting / fstab, Disk Partitioning (fdisk, gparted), LVM (Logical Volume Management), NFS / Samba

●●●○○

🐧 Networking & Connectivity

Intermediate

SSH / Secure Shell, Firewall Configuration, TCP/IP Stack, DNS / DHCP, Network Troubleshooting

●●●○○

🐧 Containers & Virtualization

Intermediate

Docker, Docker Compose, Port Mapping, Volume Management

●●●○○

🐧 Development Environment & Build Tools

Intermediate

GCC / G++ (Cross-compilation toolchain), Make / CMake, Git / GitHub

●●●○○

🐧 System Administration

Intermediate

Linux System Administration, Command Line / Bash, User & Permission Management, Package Management (pacman, apt), Process Management (ps, top, htop)

●●○○○

Personal Skills

🗨️ Communication

Stakeholder Management, Translating Requirements (technical ↔ non-technical), Clear Documentation

●●●●●

🤝 Teamwork

Agile Collaborator (Scrum), Giving/Receiving Constructive Feedback, Knowledge Sharing & Mentoring

●●●●○

🧠 Creativity

Pragmatic Problem Solving, Out-of-the-box Thinking, Resourceful

●●●○○

🏆 Motivation

Self-driven, Curious Learner, Goal-oriented

●●●●○

Personal Projects

ZMK Sofle Dongle & Config

Firmware configuration and hardware integration for a custom split keyboard.

Configured **ZMK firmware** on a **Nice!Nano V2** (ARM Cortex-M) with **Zephyr RTOS**. Implemented **BLE** connectivity and custom keymaps for a wireless, ergonomic workflow.

Core Competencies: ZMK · Zephyr RTOS · ARM Cortex-M · BLE · Nice!Nano · Keymap Customization

Qt Screen Caster

High-performance screen capture and streaming via Qt/GStreamer.

Built a cross-platform desktop application with Qt 6 and GStreamer for real-time screen capturing and UDP/RTP streaming. Optimized for low latency with zerolatenency encoding.

Core Competencies: C++ · Qt 6 · GStreamer · UDP/RTP · Low-latency · PipeWire

Nohboard-qt

Custom on-screen keyboard overlay for gaming/streaming.

Developed a Qt-based application with system tray integration and SVG rendering. Added presets and key-highlighting for an improved user experience.

Core Competencies: C++ · Qt · GUI Development · System Tray · Event Handling

Voice Translator

Real-time speech translator with local AI models.

Integrated Vosk (ASR) and Ollama/OpenAI for offline speech recognition and translation. Built with Gradio and packaged in Docker for easy deployment.

Core Competencies: Python · ASR/Vosk · LLM Integration · Gradio · Docker · API Integration

Discord AI Bot & Anime Bot

Interactive Discord bots with AI and multimedia features.

Developed bots in Python with integration for LLMs, image generation (Stable Diffusion), and anime databases. Managed asynchronous requests and rate-limiting.

Core Competencies: Python · Discord API · Asyncio · REST APIs · Image Generation

SRT Translator

Tool for translating subtitle files (.srt).

Built a Python script that batch-translates subtitles via external APIs, preserving timing and formatting.

Core Competencies: Python · File I/O · API Integration · Batch Processing

Remote Image Generation

Web app for remote AI image generation.

Developed a Node.js/JavaScript application with a queue system for generating images via Stable Diffusion APIs.

Core Competencies: Node.js · JavaScript · API Integration · Queue Management

Home Lab – Docker Infrastructure

Management of a multi-container environment with reverse proxy (Nginx), databases (PostgreSQL, MySQL), monitoring (Grafana), and various applications.

Core Competencies: Docker · Docker Compose · Nginx · Grafana · Linux