

# FILIP BUNKENS

TECHNICAL DIRECTION



## EXPERTISE

"Bridging the gap between vision and execution by building and optimizing systems."

- Systems Architecture:** Designing scalable end-to-end infrastructures that support core business goals.
- Technical Governance:** Enforcing code quality, security standards, and roadmap discipline.
- Strategic Engineering:** Bridging the gap between deep technology, budgetary constraints, and market needs.
- Hands-on Leadership:** Directly steering complex technical processes and building critical systems myself.

## CONTACT

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## CORE SKILLS

- Technical Roadmap Design
- Full-stack Systems Architecture
- Workflow & Process Automation
- C-level Technical Advisory

## LANGUAGES

DUTCH (NATIVE SPEAKER)

ENGLISH (FULL PROFESSIONAL)

FRENCH (PROFESSIONAL WORKING)

## PROFESSIONAL EXPERIENCE

### TECHNICAL CURATOR & OPERATIONS ENGINEER

June 2020 – present

THEBEARD | BELGIË / ONLINE

- Hardware Lifecycle:** Strategisch sourcen en technisch reviseren van complexe consumentenelektronica om functionele integriteit te herstellen.
- Quality Engineering:** Implementeren van strikte technische inspectie- en testprotocollen voor internationale distributie.
- Logistieke Architectuur:** Beheer van de volledige technische keten: van inkoop-algoritmes tot geautomatiseerde internationale logistiek.
- Data-Driven Optimization:** Gebruik van trendanalyse en prijsmodellen om de inkoopstrategie technisch te onderbouwen.

### STEM FACILITATOR & ROBOTICS MENTOR (FRENCH-SPEAKING)

February 2025 – June 2025

123CODE | WAVRE

- French-language Guidance:** Providing technical lessons in French for primary school children (école primaire).
- Robotics & Arduino:** Inspiring children and teaching the basics of logical thinking through hands-on projects with Arduino, from assembly to coding.
- Pedagogical Approach:** Translating complex concepts such as sensors, motors, and variables into an understandable level for young French-speaking students.
- Problem Solving:** Guiding the debugging process, stimulating students to find their own mechanical and software solutions.

### E-SPORTS PERFORMANCE COACH (FORTNITE)

July 2021 – January 2024

FREELANCE / E-SPORTS | REMOTE

- E-sports Mentorship:** Guiding youth (ages 14-20) within the competitive Fortnite e-sports circuit.
- Strategic Analysis:** Analyzing meta-gameplay, rotations, and match statistics to optimize performance at the top level.
- Competitive Discipline:** Training mechanical skills and mental resilience in a high-stakes professional environment.

### LEAD DEVELOPER & DATA ARCHITECT (AREWEINLOCKDOWN.COM)

March 2020 – May 2021

AREWEINLOCKDOWN.COM | WERELDWIJD

- Rapid Deployment:** Eigenhandig een high-traffic tracker ontwikkeld en geschaald die real-time wereldwijde data aggregateerde.
- Data Modeling:** Ontwerpen van een uniform en schaalbaar datamodel om inconsistente wereldwijde bronnen te normaliseren.
- Backend Performance:** Optimalisatie van data-ingestion en API-responses voor een massaal internationaal publiek.

### PHOTOGRAPHER

July 2007 – September 2019

THEBEARD.BE | JODOIGNE, BELGIË

- Commercial Photography:** Specialized in capturing large-scale events, international congresses, and promotional content.
- Advertising Campaigns:** Visual execution of major advertising campaigns in collaboration with agencies for clients including *Startups.be*, *IMEC*, *Hack Belgium* and *Scania*.
- High-level Clients:** Trusted partner for organizations such as *Startups.be*, *IMEC*, *Hack Belgium*, *Pfizer* and *Scania*.
- Strategic Consulting:** Consultancy regarding visual identity and brand positioning for corporate clients.

### TECHNICAL DIRECTOR & RECOVERY LEAD

April 2018 – September 2019

REDEN COIN | WERELDWIJD

- Technical Turnaround:** Een stagnerend blockchain-project geaudit en geherstructureerd door nieuwe technische standaarden en een roadmap te definiëren.
- Code Audit & Security:** Grondige analyse van bestaande codebases om kwetsbaarheden en technische schuld te identificeren voor investeerders.
- Technical Liaison:** Fungeren als de brug tussen de core-developers en niet-technische stakeholders voor transparant projectbeheer.
- Risk Mitigation:** Implementeren van 'best practice' ontwikkelingsstandaarden om stabiliteit bij lanceringen te garanderen.

### FRONTEND DEVELOPER

May 2007 – September 2008

STATIK | BELGIË

- Web Development:** Focused on development with PHP, AJAX, and CakePHP.
- Projects:** Contributed to platforms for clients including Max Havelaar, Het Depot, Stuk, and Rivierenhof.
- Front-end:** Development of templates for Drupal, WordPress, and custom CMS systems.

### FULL STACK DEVELOPER

February 2007 – May 2007

YAPPA | BELGIË

- Full-stack: Developing websites in PHP, XHTML, and CSS.

### PHP DEVELOPER

June 2006 – February 2007

KEYS | BELGIË

- Software Development: Back-office development and hosting support.

### TECHNICAL SUPPORT & TROUBLESHOOTING ENGINEER

September 2003 – May 2004

IP GLOBALNET | BELGIË

- Systems Troubleshooting:** Diepgaande analyse en oplossing van complexe netwerk- en softwareproblemen voor B2B en residentiële omgevingen.
- Documentation & Protocol:** Vertalen van complexe incidenten naar reproduceerbare oplossingen en verbeteringen voor het platform.

## EDUCATION

### APPLIED INFORMATICS

Rega KHL, 2002-2003

### BIO-ENGINEER

KU Leuven, 2000-2002

### MATHEMATICS - SCIENCES

Don Boscocollege Hechtel, 1992 – 2000

## PROJECTS

### KABAAL – FULL-STACK AUDIO DASHBOARD SYSTEM

POCKETBASE (GO/SQLITE), NODE.JS, CSS3, DOCKER

A scalable soundboard platform with a 'Tron-inspired' aesthetic. Users manage personalized 'audio grids' via a desktop 'Manage Mode' and a mobile-optimized interface.

[VIEW PROJECT](#)

### PERSONALIZED RECRUITMENT PLATFORM

NODE.JS, EJS, DOCKER, VPS

A modular multi-lingual application built to create personalized application experiences. Uses a JSON-driven architecture to dynamically adjust content and styling per company.

[VIEW PROJECT](#)

### THE FIXER CASE: OFFLINE PHOTO-PIPELINE (NATIONAL LOTTERY)

PYTHON, NODE.JS, RASPBERRY PI, WIFI-CAMERA, SMTP

A fully autonomous, battery-powered pipeline built for major festivals. WiFi-connected cameras feed a local server that auto-processes images, displays them on tablets, and delivers them via local SMTP—zero internet, zero mains power.

[VIEW PROJECT](#)

### HOME-LAB AI INFRASTRUCTURE

OLLAMA, OPENWEBUI, DOCKER

Configuration of a local, home-lab LLM environment on a GTX 1060 (3GB VRAM). Optimized through quantization to make high-performance models usable on limited hardware.

### TRUSTUP RENOVATION SCOPING ASSISTANT — AI-NATIVE SPECIFICATIONS

CLAUDE CODE, AI AGENT ORCHESTRATION, RULES ENGINE, API-NATIVE

A specification package designed to orchestrate AI coding agents in building a resilient, SaaS-ready module. Demonstrates strict Spec-Driven Development methodology.

[VIEW PROJECT](#)