

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.

INDEPENDENT AI RESEARCH & DEVELOPMENT

January 2024 – present

INDEPENDENT AI RESEARCH & DEVELOPMENT | BELGIË / REMOTE

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.

CO-FOUNDER & TECHNICAL BRAND STRATEGIST

February 2019 – April 2022

ANNICK & THE BEARD | JODOIGNE / BELGIË

- Technisch Ondernemerschap:** Als mede-oprichter de technologische basis gelegd voor een branding-studio met een sterke focus op digitale interactie.
- Community Ecosystems:** Bouwen van digitale platformen die klanten transformeren naar een loyale community via actieve feedbackloops.
- Infrastructure Strategy:** Ontwikkelen van schaalbare strategieën om met minimale middelen maximale digitale impact en merkconsistentie te realiseren.
- Digital Identity:** Het vertalen van menselijke waarden naar een robuuste visuele en technische roadmap.

TECHNICAL FOUNDER & LEAD DEVELOPER

June 2020 – May 2021

MY COMFORT MASK | WERELDWIJD

- System Architecture:** Ontwerpen en bouwen van een end-to-end 'print on demand' ecosysteem, inclusief de volledige tech-stack en productie-automatisering.
- Workflow Engineering:** Optimalisatie van de digitale pijplijn: van complexe gevectoriseerde klantinput naar directe machine-aansturing.
- Full-Stack Ownership:** Verantwoordelijk voor de volledige implementatie van web-ontwikkeling, server-beheer en logistieke integraties.
- Technical Media Strategy:** Integratie van visuele content-creatie met digitale marketing-automatisering voor internationale schaalbaarheid.

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 aggregereerde.
- 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.
- Secure 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.

CONTACT CENTER AGENT

January 2017 – December 2017

HARVEST COMMUNICATION CENTRES | LEUVEN, BELGIË

- Customer Service:** Provided support to four different clients, including 24-hour weekend shifts.

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

RESPONSIBLE DISCLOSURE: LLM PROMPT INJECTION VULNERABILITY

LLM SECURITY, PROMPT INJECTION, RESPONSIBLE DISCLOSURE

Identification and reporting of a critical prompt injection vulnerability in a leading Applicant Tracking System (ATS) platform. Managed through an official Vulnerability Disclosure Program (VDP) and reported to the Centre for Cybersecurity Belgium (CCB). The disclosure helped secure automated recruitment workflows for thousands of organizations worldwide.

THE CONSTRUCT — OPEN SOURCE CV ENGINE

NODE.JS, EJS, PUPPETEER, GEMINI AI, DOCKER

The engine that powers this very site. An open-source, multi-persona CV portfolio platform with AI-powered Q&A. Serves tailored résumés per employer using tag-based filtering, semantic RAG chat, PDF export, and multi-language support. Published on GitHub as cv-construct.

VIEW PROJECT

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

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.

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

AUTONOMOUS MICRO-AGENCY MVP (CAPSLOCK)

TYPESCRIPT, REACT, GEMINI 3.1 FLASH, NODE.JS

An autonomous performance marketing analysis tool. Automates the ingestion of Google Ads data, implements WoW aggregation logic, and generates AI-enhanced performance briefs using Gemini 3.1 Flash.

VIEW PROJECT