Senne Bels

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PROFESSIONAL SUMMARY

Fullstack Developer with 4+ years of experience building high-performance web and mobile applications.

Specialized in React, TypeScript, and microservices, with strong frontend focus and proven backend expertise.

Extensive experience working in startup and scale-up environments, independently launching new products from the ground up.

Proven impact: Reduced support tickets by 50%, improved load times by 89%, and boosted SEO traffic by 150%.

Passionate about product design, innovation, and cross-functional collaboration across fast-paced teams.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Solidity

Frameworks: React, Next.js, Vue.js, Ember.js, React Native, Three.js, Leaflet

Tools and Platforms: Docker, Vercel, AWS, Stripe, OpenAI, Git

Testing: Jest, Cypress, GitHub Actions

Other: Microservices Architecture, GraphQL, JSON-LD, SEO Optimization

EXPERIENCE

Specular Consulting (Startup)   Jul 2023 – Present
Hybrid   *Fullstack Developer*

- Designed and developed the Woppah property platform independently, eliminating agent fees and boosting onboarding by 45%.
- Created Green Claims Validator (GCV) with secure Google SSO login, database schema, and analytics to streamline environmental verification workflows.
- Built Speculate, a Stripe-based, OpenAI-integrated, React Flow-powered visual builder app for custom questionnaire creation.
- Owned full product lifecycle — from ideation to release — and used NeonDB, Tailwind, NextAuth, and Vercel for deployment.

Okapi Works (Freelance)   Apr 2020 – Present
Antwerp, Belgium   *Founder and Fullstack Developer*

- Launched The Okapi Store (2023), a custom e-commerce platform for awareness-driven okapi merch using Next.js, Stripe, and Printful.
- Led iOS release of Beedee, including user migration from acquired app, full dashboard redesign, and localization refactor.
- Delivered 15+ React/Next.js sites for local SMEs, improving their SEO visibility by 60–65%.
- Migrated clients from WordPress to modern stacks, cutting load times by 75% and increasing conversion.

Flanders Agency of Home Affairs (Government)   Jul 2022 – Jul 2023
Brussels, Belgium   *Fullstack Developer*

- Spearheaded development of Lokaal Beslist: a platform enabling citizen access to local government decisions.
- Built Validation Monitoring Tool to automatically audit municipal documentation, reducing manual labor by 70%.
- Used mu.semte.ch microservice framework, GeoJSON/Leaflet visualizations, and linked data principles.
- Migrated multiple SPAs to TypeScript and maintained high test coverage with Ember.

Open Summer of Code   Jul 2022
Brussels, Belgium   *Software Developer*

- Built Leaflet-based interactive maps and EmberJS dashboard for municipal financial transparency.
- Worked with designers, devs, and gov reps to deploy public-facing digital tools in 1 month.

BubblyDoo (Scale-up) Feb 2022 – Jun 2022
Antwerp, Belgium *Programmer*
- Built drag-and-drop React-Konva tool replacing Photoshop plugins — improving workflow speed by 550%.
- Prototyped Three.js visualization for real-time preview of children's book customizations.

JStack (Cronos Group) Feb 2022 – Jun 2022
Kontich, Belgium *Software Development Intern*
- Developed NFT music marketplace using React + Solidity with secure Ethereum transactions.
- Designed feature-rich media player with custom gestures and stream optimizations.

Inuits (Consulting) Jul 2021 – Sep 2021
Brasschaat, Belgium *Frontend Developer*
- Built survey app using React Native, backed by REST APIs in Django.
- Delivered real-time Vue.js analytics dashboard and Docker-based deploy pipeline.

Go Getter Software Oct 2020 – Jul 2021
Antwerp, Belgium *Software Tester / Assistant Developer*
- Created internal Gainsight Helper Bot, automating workflow processes for CX teams.
- Wrote extensive manual, performed Selenium-based testing, and authored internal API documentation.
- Wrote optimized MySQL queries for faster reporting across legacy tools.

EDUCATION

AP College University Sep 2019 – Jun 2022
Antwerp, Belgium *BSc in Computer Science, Cum Laude*
- Specialized in Big Data Analytics. Relevant courses: Distributed Systems, Cloud Computing, Web Dev.

ADDITIONAL INFORMATION

Certifications: IELTS Academic (8.0), Chinese Language A1

Languages: English (Professional), Dutch (Native), French (Full Professional), German (Limited), Italian (Limited), Chinese (Basic)

Relocation: Open to North America (USA/Canada); sponsorship required