

# Senne Bels

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## Professional Summary

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Fullstack Developer and technical leader with 4+ years of remote-first experience building high-performance web and mobile applications across startup, government, and freelance environments. Specialized in React, TypeScript, and Azure cloud technologies with strong focus on accessibility, user experience, and cross-functional collaboration. Proven track record of increasing company revenue by 32%, reducing support tickets by 50%, and improving load times by 89%. Passionate about mentoring developers and building scalable, impactful solutions. **Open to relocation (sponsorship required).**

## Experience

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**Frontend Lead**, BeeDee – Ghent, Belgium (Remote) Jan 2025 – Present

- Lead frontend development team and mentor junior developers while collaborating closely with CEO/CTO on product strategy and technical decisions
- Fully responsible for iOS app development using React Native and Xcode, managing complete mobile user experience
- Integrated Mollie payment system for international transactions and implemented Next.js web platform
- Transformed frontend architecture achieving 93% performance improvement, reducing inbox load times from 15+ seconds to under 1 second
- Redesigned complete beedee.com website and implemented full UI/UX for dashboard, preferences, and core app features
- Contributed to marketing initiatives resulting in 32% revenue increase and 85% user base growth

**Fullstack Developer & Consultant**, Specular Consulting – Aalst, Belgium (Remote) Oct 2023 – Present

- Developed Chamaeleon (Green Claims Validator) with secure Google SSO, database schema, and analytics for environmental verification workflows
- Built drag-and-drop interface enabling legislative team to easily update questionnaires to current EU law standards
- Integrated Mollie pricing API and implemented full app design and development using Next.js, Prisma, OpenAI, and PostgreSQL
- Created Woppah property platform as proof-of-concept with integrated AI assistant for energy certificate extraction, title generation, and price estimation
- Managed consulting engagement including full technical architecture and stakeholder communication

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

- Delivered 15+ custom React/Next.js websites for local SMEs, improving SEO visibility by 60-65%
- Migrated client websites from WordPress to Next.js, achieving 75% reduction in loading times and 40% increase in weekly customers
- Led iOS release of BeeDee including user migration, dashboard redesign, and localization improvements

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

- Spearheaded development of Lokaal Beslist platform enabling citizen access to local government decisions
- Built interactive maps using Leaflet and OpenStreetMaps for municipal financial transparency and data visualization
- Developed EmberJS dashboard and collaborated with cross-functional government team to deploy public-facing digital tools
- Built Validation Monitoring Tool automating municipal documentation audits, reducing manual labor by 70%

- Achieved 89% reduction in loading times through optimized frontend and backend performance
- Utilized mu.semte.ch microservice framework and linked data principles for robust application development

**Programmer**, BubblyDoo – Antwerp, Belgium

Mar 2022 – Jun 2022

- Replaced legacy Photoshop plugins with React-Konva tool, achieving 550% increase in production efficiency
- Developed Three.js visualization prototypes for real-time preview of children's book customizations
- Created essential book and game creation tools integral to daily operations

**Software Development Intern**, JStack (Cronos Group) – Kontich, Belgium

Feb 2022 – Jun 2022

- Developed NFT music marketplace prototype using React and Solidity with secure Ethereum transactions
- Built intuitive media player with gesture controls and stream optimizations
- Established secure transaction infrastructure promoting trust and safety in NFT trading

**Frontend Developer**, Inuits – Brasschaat, Belgium

Jul 2021 – Sep 2021

- Developed survey application using React Native with Django REST APIs, improving data collection efficiency
- Created real-time analytics dashboard with Vue.js enhancing data visualization capabilities
- Optimized deployment processes with Docker leading to enhanced scalability and performance

**Software Tester / Assistant Developer**, Go Getter Software – Antwerp, Belgium

Oct 2020 – Jul 2021

- Designed Gainsight Helper Bot automating workflow processes, increasing team productivity by 50%
- Conducted extensive end-to-end testing using Selenium improving software reliability
- Authored comprehensive API documentation and user manuals reducing onboarding time by 30%

## Education

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**AP Hogeschool Antwerpen**, Bachelor of Science in Computer Science, *Cum Laude* – Antwerp, Belgium

Sep 2019 – Jun 2022

- Specialized in Big Data Analytics
- **Relevant Coursework:** Distributed Systems, Cloud Computing, Web Development

## Technical Skills

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**Languages:** JavaScript, TypeScript, Python, Solidity, HTML, CSS

**Frontend:** React, Next.js, Vue.js, Ember.js, React Native, Three.js, Tailwind CSS

**Backend:** Node.js, Django, GraphQL, REST APIs, Microservices Architecture

**Cloud & Databases:** Azure (Mail, AI, Hosting, DB), Firebase, NeonDB, MySQL, PostgreSQL, Prisma

**Tools:** Docker, Git, Vercel, AWS, Stripe, Mollie, OpenAI, Xcode

**Testing:** Jest, Cypress, Selenium, GitHub Actions

**Other:** SEO Optimization, Accessibility (WCAG), JSON-LD, Leaflet, OpenStreetMaps

## Languages & Certifications

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**Languages:** English (Native/Bilingual), Dutch (Native/Bilingual), French (Full Professional), German (Limited Working), Italian (Limited Working), Chinese (Elementary)

**Certifications:** IELTS Academic (8.0), Chinese Language A1

## Key Achievements & Volunteer Work

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- **Leadership:** Frontend lead mentoring developers and collaborating on strategic product decisions
- **Revenue Impact:** Increased company daily revenue by 32% and user base by 85% through performance and marketing initiatives
- **Performance:** Improved application load times by up to 93% across multiple projects
- **Business Growth:** Boosted client SEO visibility by 60-65% and conversion rates by 40%

- **Efficiency:** Increased production efficiency by 550% through custom tool development
- **Community Service:** Volunteer at SAMO, helping elderly citizens bridge the technological gap with ItsMe digital services