

Curriculum Vitae

Senne Bels

Contact Information

Senne Bels
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Summary

Motivated and adaptable Software Engineer and Web Developer with a strong foundation in both frontend and backend development. Passionate about leveraging technology to solve complex problems and eager to contribute to innovative projects. Seeking opportunities to apply my skills and continue learning in a dynamic work environment.

Skills

- Proficient in DevOps tools like AWS, Docker, Netlify, and Vercel
- Experienced in backend development with Express, Django, and Java Spring Boot
- Skilled in frontend technologies including React, NextJS, EmberJS, Remix, HTML5, CSS, and TailwindCSS
- Knowledgeable in Data Science tools such as PySpark, Jupyter, and Tensorflow
- Proficient in testing frameworks like Jest, Junit, Cypress, and Selenium
- Fluent in Dutch and English with intermediate proficiency in French and basic knowledge of German

Work Experience

Flanders Agency of Home Affairs

SOFTWARE ENGINEER

Brussels, Belgium
Aug 2022 - Present

- Played a pivotal role in the development of Lokaal Beslist as a full stack developer, contributing to the implementation of new features and resolving issues, resulting in enhanced functionality and user satisfaction.
- Led the successful launch of a new tool designed to validate publications, streamlining the process and ensuring compliance with regulatory standards.
- Successfully deployed backend and frontend applications to government servers, ensuring seamless operation and accessibility for stakeholders.
- Developed and implemented a mail service to keep citizens informed about new decisions, increasing transparency and public trust.
- Utilized Docker and GitHub for automated deployments, reducing deployment time by 50%.

Open Summer of Code

FRONTEND DEVELOPER

Brussels, Belgium

Jul 2022

- Led the development of an interactive map using Leaflet and OpenStreetMaps, resulting in improved data visualization and user experience.
- Collaborated with a cross-functional team to design and develop a website with EmberJS for visualizing municipal tax data, contributing to government transparency initiatives.

BubblyDoo

FRONTEND DEVELOPER

Antwerp, Belgium

Apr 2022 - Jun 2022

- Developed a user-friendly drag-and-drop tool using React and React-Konva, facilitating book and board game creation for clients.
- Contributed to proof-of-concept initiatives for the builder application, demonstrating innovative solutions to client requirements.

JStack

FRONTEND DEVELOPER INTERN

Kontich, Belgium

Feb 2022 - Jun 2022

- Led the frontend development of an NFT music marketplace using React, enhancing user experience and accessibility.
- Designed and implemented the backend infrastructure for NFT creation using Solidity, ensuring secure and efficient transaction processing.
- Conducted comprehensive testing with Cypress and Jest, ensuring the robustness and reliability of the platform.
- Developed a global media player from scratch and integrated swiping functionality, enhancing user engagement and interaction.

Inuits

FULLSTACK DEV & SOFTWARE ENGINEER

Brasschaat, Belgium

Jul 2021 - Sep 2021

- Played a key role in developing the frontend for a surveying application using React Native, contributing to improved data collection and analysis.
- Designed and implemented backend functionalities, including REST API development using Django, ensuring seamless communication between frontend and backend systems.
- Assisted in building a dynamic dashboard using Vue.js, providing users with real-time insights and analytics.
- Orchestrated the setup of development, testing, and production environments using Docker, optimizing workflow efficiency and collaboration.

Striktly Business Software

SOFTWARE TESTER

Antwerp, Belgium

Oct 2020 - Jul 2021

- Developed a Helper bot using Gainsight, streamlining internal processes and improving team productivity.
- Authored a comprehensive user manual, ensuring clarity and accessibility for end-users.
- Conducted rigorous end-to-end testing with Selenium, identifying and resolving software defects to enhance product quality.
- Generated MySQL queries and provided API documentation, facilitating data retrieval and integration processes for stakeholders.

Education

AP College University

BACHELOR'S IN COMPUTER SCIENCE

Antwerp, Belgium

2019 - 2022

- Major in Big Data
- Relevant Coursework: Web Frameworks, Artificial Intelligence, Data Mining, Project Management & Analysis
- Academic Honors: Graduated Cum Laude

KDG Hogeschool

BACHELOR'S IN MULTIMEDIA AND CREATIVE TECHNOLOGIES

Antwerp, Belgium

2022

- Specializations in 3D Development & VFX, CGI Principles & Audiovisual Technologies, Storytelling & World-building, Maker
- Ongoing Projects: Participating in collaborative multimedia projects focusing on 3D modeling and animation, CGI effects, and storytelling techniques

Honors & Awards

- Graduated Cum Laude, AP University College Antwerp, Belgium (2022)

Certificates

- CHINESE: A1 Reading, Speaking, Listening, Writing Mandarin, Linguapolis Antwerp, Belgium (Sep. 2019 - Jul. 2020)
- IELTS: Overall score 8.0, British Consulate Brussels, Belgium (Oct. 2021, REF: A3-BE003-S-6406007)