Michael van der Bend

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EDUCATION

Pre master - Software Engineering — Heerlen, NL
Open Universiteit — *Feb. 2024 – Jun. 2025*

Bachelor of Science in ICT - Business Informatics — Arnhem, NL
Hogeschool van Arnhem en Nijmegen — *Aug. 2019 – Jun 2023*

TECHNICAL SKILLS

Languages: Java, Typescript/Javascript, Python, SQL, C, R
Tools: Angular, Spring, React, Flask, Kubernetes, Airflow, Git, Power BI, Docker, PostgreSQL, MongoDB, Firebase

EXPERIENCE

Full-stack Developer — Feb 2024 – Current
Rabobank — *Utrecht, NL*

- Built scalable backend services using Java Spring Boot and implemented dynamic, user-friendly frontend interfaces with Angular, leveraging a monorepo structure for efficient collaboration and code sharing within the organization.
- Designed and developed frontend and backend solutions for multiple housing/mortgage features, including the high-traffic mortgage calculator used by over a million users annually.
- Collaborated with cross-functional teams to make critical design and business decisions, ensuring alignment with technical goals and customer needs
- Integrated PostgreSQL as part of the persistence layer to ensure robust and efficient data storage and retrieval, while managing Kubernetes deployments for secure and scalable infrastructure.
- Organizing and facilitating a platform for tech talks, TechHouse, by internal and external speakers, fostering innovation and knowledge-sharing across the Housing department

Junior NoSQL Developer — Sept 2023 – Feb 2024
Rabobank — *Utrecht, NL*

- Utilizing NoSQL technology, such as MarkLogic, to efficiently manage and store data, ensuring seamless data retrieval and manipulation.
- Employ JavaScript and Java to code and maintain APIs, ensuring reliability and security in financial transactions and data handling.
- Implement comprehensive unit testing to validate the functionality and reliability of APIs, reducing potential errors and enhancing overall system performance.

Business Intelligence Intern — Jan 2023 – June 2023
Gemeente Arnhem — *Arnhem, NL*

- Developed a dashboard to measure the physical accessibility in Arnhem, thereby contributing to the city's inclusivity efforts.
- Conducted extensive research on information needs and technological choices relevant to the project.
- Created comprehensive requirements for the project, thereby ensuring a clear direction and achievable goals

PROJECTS

Lumios | *React Native, Java - Spring, MongoDB* — Dec 2024

- Developed Lumios Bookapp, a React Native and Expo application that allows users to explore, swipe, and rate books.
- Implemented backend services with Spring Boot, leveraging Google Cloud Vision and ISBNdb APIs to scan book ISBNs and match titles in the database for accurate book retrieval.
- Built scalable architecture using Spring Boot and ensured cross-platform compatibility with React Native, enhancing app usability on both iOS and Android.
- Optimized book data management using MongoDB as the persistence layer, ensuring efficient and flexible storage for book and user data.
- Created as a Minimum Viable Product (MVP), not yet launched but open for future development.

Arnhem Guide App | *Javascript, React Native, NOSQL* June. 2023

- Founded and actively maintain an online community for Arnhem city tourists, allowing users to share, discuss, and evaluate information about Arnhem's attractions, events, and locations.
- Developed the app's frontend using React Native (JavaScript) and deployed it via Expo, ensuring a seamless and user-friendly mobile experience.
- Utilized Firebase as the NoSQL database for efficient storage and retrieval of user-generated content and app-related data.