CAO-TOAN NGUYEN

Software Engineer

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SUMMARY

Computer Science graduate with less than 1 year hands-on experience as a Backend Engineer, specializing in Java-based backend development, with additional experience in Node.js and TypeScript. Seeking a Junior Software Engineer position to leverage my backend development skills and contribute to building scalable, reliable software solutions.

EXPERIENCE

Software Engineer

FPT Software

10/2025 - 07/2026 Thu Duc, Ho Chi Minh City

- Contributed to an enterprise insurance application using Java, Spring Boot, T-SQL, and Microsoft SQL Server.
- Designed and implemented RESTful APIs using Swagger/OpenAPI, including API specification and code generation.
- Developed and optimized stored procedures and T-SQL queries, applying best practices to improve API performance and maintainability.
- Collaborated with BAs, QC engineers, and developers in an Agile/Scrum environment to deliver features and resolve software issues.
- Participated in API deployment through Jenkins-based CI/CD pipelines and assisted in troubleshooting and resolving development issues.

Computer Vision Intern

John von Neumann University

06/2024 - 09/2024 Kecskemét, Hungary

- Developed a computer vision system to detect and count various objects in machine-packaged boxes, using OpenCV and object detection techniques.
- Researched and implemented image processing and object detection algorithms, addressing challenges involving free-form objects while optimizing detection accuracy and efficiency.
- Built a FastAPI backend service in Python to integrate and expose the computer vision system as an API.

EDUCATION

BSc in Computer Science Engineering

John von Neumann University

09/2021 - 01/2025 Kecskemét, Hungary

GPA: 4.34/5 Language: Hungarian

SKILLS

Java **Node.js** **SQL** **NoSQL** **Restful APIs** **Git** **Agile Methodologies**

LANGUAGES

English **Hungarian** **Vietnamese**

ACTIVITIES

Mentor for ERASMUS Students

- Guided 10+ students from Europe, Asia, and Africa, including Spain, Turkey, Kazakhstan, and Nigeria, through essential documentation and university procedures.
- Supported students with academic requirements, study planning, and university resources.
- Provided ongoing cross-cultural mentorship and practical support, helping students adapt to local culture and address daily concerns.