

SUMMARY

Highly motivated Mid-Level Software Engineer with 3 years of experience in designing and developing scalable backend systems, driven by a passion for innovation and a PhD in Computer Science. Proven track record of leading high-impact projects, including a backend service redesign that yielded significant performance gains.

EXPERIENCE

Backend Engineer VantaLabs, 2020–2023

- Spearheaded the redesign of the company's core backend service, leveraging Node.js, Express, and MongoDB to achieve a 35% reduction in latency and a 25% increase in throughput.
- Collaborated with the DevOps team to implement a CI/CD pipeline using Jenkins, Docker, and Kubernetes, resulting in a 99.9% deployment uptime.
- Mentored junior engineers in best practices for coding, testing, and debugging, and contributed to the development of the company's technical blog.

Software Engineer HealthNet AI, 2018–2020

- Developed and deployed multiple backend services using Python, Flask, and PostgreSQL, including a patient data management system that improved data accuracy by 30%.
- Worked closely with the frontend team to integrate backend services with a React-based dashboard, and participated in a hackathon to develop a proof-of-concept for a real-time patient monitoring system.

PROJECTS

Real-Time Analytics Platform Personal Project, 2022

- Designed and developed a real-time analytics platform using Apache Kafka, Apache Storm, and Apache Cassandra, capable of processing 10,000 events per second.
- Implemented data visualization using Tableau and Power BI, and demonstrated the platform's scalability and performance in a live demo.

Open-Source Contribution GitHub, 2020

- Contributed to the development of an open-source machine learning library, implementing a novel algorithm for clustering high-dimensional data.
- Collaborated with the library's maintainers to review and merge pull requests, and participated in discussions on the library's forum.

TECHNICAL SKILLS

TECHNICAL SKILLS Languages: Python, JavaScript, Java Frameworks: Node.js, Express, Flask Cloud: AWS, GCP, Azure Tools: Git, Docker, Jenkins, Kubernetes Databases: MongoDB, PostgreSQL, MySQL OS: Linux, macOS, Windows

EDUCATION

PhD in Computer Science, Massachusetts Institute of Technology, 2018 GPA: 3.9/4.0 Relevant Courses: Distributed Systems, Machine Learning, Algorithms Dissertation: "Scalable Backend Systems for Real-Time Analytics"