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SUMMARY

Highly experienced Staff Software Engineer with 8 years of expertise in designing and implementing scalable backend systems, leveraging microservice architecture to drive efficiency and reliability, with a strong passion for mentoring junior developers and contributing to open-source projects.

EXPERIENCE

Staff Software Engineer *VantaLabs, 2018–Present*

- Led the development of a cloud-based microservice platform using Docker, Kubernetes, and GCP, resulting in a 30% reduction in operational costs and a 25% increase in deployment speed
- Designed and implemented a highly scalable API gateway using NGINX and Python, handling over 10,000 requests per second with 99.99% uptime
- Mentored a team of junior engineers in best practices for backend development, resulting in a significant improvement in code quality and a 40% reduction in bugs

Senior Software Engineer *HealthNet AI, 2015–2018*

- Built and deployed a real-time data processing pipeline using Apache Kafka, Apache Storm, and Apache Cassandra, processing over 100,000 events per second with a latency of less than 10ms
- Collaborated with the data science team to develop and deploy machine learning models using TensorFlow and scikit-learn, resulting in a 20% improvement in predictive accuracy
- Developed and maintained a highly scalable and fault-tolerant backend system using Java, Spring Boot, and MySQL, handling over 1 million users with 99.9% uptime

Software Engineer *OpenSensor Project, 2012–2015*

- Contributed to the development of an open-source IoT platform using Python, Raspberry Pi, and MongoDB, resulting in a 50% reduction in development time and a 30% increase in community engagement
- Designed and implemented a real-time data visualization dashboard using D3.js and Node.js, resulting in a 25% improvement in user engagement and a 40% reduction in support requests
- Collaborated with the community to develop and deploy a highly scalable and secure backend system using Ruby on Rails and PostgreSQL, handling over 10,000 devices with 99.99% uptime

PROJECTS

Microservice Toolkit *Personal Project, 2020*

- Developed a set of open-source tools and libraries for building and deploying microservice-based systems using Python, Docker, and Kubernetes
- Created a highly scalable and fault-tolerant backend system using the toolkit, handling over 1 million requests per second with 99.99% uptime
- Published a technical paper on the design and implementation of the toolkit, resulting in a 20% increase in citations and a 30% increase in community engagement

Real-time Analytics Platform *VantaLabs, 2019*

- Built and deployed a real-time data analytics platform using Apache Kafka, Apache Storm, and Apache Cassandra, processing over 100,000 events per second with a latency of less than 10ms
- Designed and implemented a highly scalable and fault-tolerant backend system using Java, Spring Boot, and MySQL, handling over 1 million users with 99.9% uptime
- Collaborated with the data science team to develop and deploy machine learning models using TensorFlow and scikit-learn, resulting in a 20% improvement in predictive accuracy

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C++ Frameworks: Spring Boot, Django, React, TensorFlow Cloud: AWS, GCP, Azure Tools: Docker, Kubernetes, Jenkins, Git Databases: MySQL, MongoDB, PostgreSQL, Cassandra OS: Linux, macOS, Windows

EDUCATION

B.S. in Computer Science, Stanford University, 2012 GPA: 3.5/4.0 Relevant Courses: Distributed Systems, Machine Learning, Computer Networks, Database Systems Thesis: "Design and Implementation of a Scalable Microservice-Based System"