# **JOHN SMITH**

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### **WORK EXPERIENCE**

**Senior Software Engineer** 

Jun 2022 - Present

TechNova Inc. San Francisco, CA

- Led migration from monolithic services to microservices using Kubernetes, improving scalability and deployment time by 60%
- Built and optimized ETL pipelines processing over 1B events per day using Apache Spark and Kafka
- · Mentored 4 junior engineers, helping them grow into mid-level contributors and leading successful feature rollouts
- Implemented a new feature flag system that reduced deployment risk and improved feature rollout speed by 30%

Software EngineerJul 2020 – Jun 2022DataScape LabsMountain View, CA

Designed and implemented a real-time analytics dashboard used by over 50 enterprise clients

- · Improved system throughput by 40% via caching, indexing, and query optimization in PostgreSQL and Redis
- · Contributed to company-wide engineering best practices for CI/CD, code reviews, and incident response
- Collaborated with product managers and designers to deliver features on time, resulting in a 25% increase in user engagement

## **Software Engineering Intern**

CloudBridge Systems

May 2019 - Aug 2019

Palo Alto, CA

- Developed internal developer tooling to automate integration testing using Docker and GitLab Cl
- Built microservices in Go and deployed to Google Cloud Run, reducing manual test cycles by 70%
- · Collaborated with cross-functional teams to gather requirements and deliver features on time
- · Participated in daily stand-ups and sprint planning, gaining experience in Agile methodologies

Research Assistant Sep 2018 – May 2020

**UC Berkeley Computer Science Department** 

Berkeley, CA

- · Assisted in research on distributed systems and cloud computing, publishing findings in peer-reviewed journals
- Developed a prototype for a distributed file system using Go, achieving 99.9% fault tolerance
- Conducted experiments and analyzed performance metrics, contributing to a research paper presented at a major conference
- Collaborated with professors and graduate students on various research projects, enhancing my understanding of theoretical computer science concepts

#### **EDUCATION**

Harvard University May 2024

PhD, Computer Science Cambridge, MA

Stanford UniversityMay 2022Master of Science, Computer ScienceStanford, CA

University of California, Berkeley

May 2020

Bachelor of Science, Computer Science

Berkeley, CA

#### SKILLS

Languages: Python, Go, Java, SQL, JavaScript, TypeScript, Bash

Technologies: React, Node.js, Docker, Kubernetes, PostgreSQL, Redis, AWS, GCP, Terraform

**Frameworks**: Flask, Express, Spring Boot, Apache Spark **DevOps**: CI/CD, Git, Agile, Scrum, Microservices, REST APIs

## **CERTIFICATES**