

# 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% across engineering environments
- Built and optimized ETL pipelines processing over 1B events per day using Apache Spark and Kafka for real-time data workflows
- Mentored 4 junior engineers, helping them grow into mid-level contributors and leading successful feature rollouts and sprint deliveries
- Implemented a new feature flag system that reduced deployment risk and improved feature rollout speed by 30% across product teams

### Software Engineer

Jul 2020 – Jun 2022

DataScape Labs

Mountain View, CA

- Designed and implemented a real-time analytics dashboard used by over 50 enterprise clients for operational decision making
- Improved system throughput by 40% via caching, indexing, and query optimization in PostgreSQL and Redis infrastructure layers
- Contributed to company-wide engineering best practices for CI/CD, code reviews, and incident response documentation
- Collaborated with product managers and designers to deliver features on time, resulting in a 25% increase in user engagement metrics

### Software Engineering Intern

May 2019 – Aug 2019

CloudBridge Systems

Palo Alto, CA

- Developed internal developer tooling to automate integration testing using Docker and GitLab CI pipelines for backend services
- Built microservices in Go and deployed to Google Cloud Run, reducing manual test cycles by 70% and simplifying deployment
- Collaborated with cross-functional teams to gather requirements and deliver features on time across departments
- Participated in daily stand-ups and sprint planning, gaining experience in Agile methodologies and project tracking

### 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 and conference proceedings
- Developed a prototype for a distributed file system using Go, achieving 99.9% fault tolerance in controlled simulations
- Conducted experiments and analyzed performance metrics, contributing to a research paper presented at a major conference event
- Collaborated with professors and graduate students on various research projects, enhancing my understanding of theoretical computer science concepts and applications

## EDUCATION

### Harvard University

May 2024

PhD, Computer Science

Cambridge, MA

### Stanford University

May 2022

Master of Science, Computer Science

Stanford, CA

### University of California, Berkeley

May 2020

Bachelor of Science, Computer Science

Berkeley, CA

## CERTIFICATES

AWS Certified Solutions Architect | Amazon Web Services

Jan 2021

## 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