Saurabh Shanbhag

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EXPERIENCE

Amazon - Software Engineer 2
Sunnyvale, 6/20 – Present
- ✓ Designed & developed 4 tier-1 backend services (10k+ TPS) in Java, Go, AWS to manage customer data, workflows and integrations for Ring security devices and apps
- ✓ Launched 'Ring for Enterprise' by designing role-based access solutions unlocking the $1B+ tenant market
- ✓ Seamlessly migrated 12M subsidiary 'blink' user accounts by performing complex software operations
- ✓ Enhanced account security by 28% by building a dark-web scanner for detecting password breaches
- ✓ Reduced 1.5K CS calls per day by automating account recovery resulting in $1M+ annual cost savings

Uber - Software Engineer
San Francisco, 7/19 – 6/20
- ✓ Built robust services using Go, Python, SQL for efficient management of rental and repair lifecycle of JUMP bikes & scooters. Designed efficient REST APIs for JUMP mobile and web apps
- ✓ Reduced operation cost per trip by 42% ($4.27 to $2.48) by leading backend optimization programs
- ✓ Cut repair costs by 30% by standardizing and optimizing software-driven repair operations
- ✓ Reduced vehicle downtime by 25% through automation of user mechanical issue reporting

Barclays Inc - Software Developer Intern
New York, 6/18 – 8/18
- ✓ Built a distributed trade processing tools with Java, Spring, Kafka to reduce trade reporting latency by 13%

Persistent Systems - Software Engineering Intern
India, 8/16 – 5/17
- ✓ Designed a 3D Wi-fi Indoor Navigation System to determine mobile position (±1.5m) using nearby routers

EDUCATION

North Carolina State University - Master of Computer Science
Raleigh, 5/19

MIT College of Engineering - B. Eng. Information Technology
Pune, India, 5/17

PROJECTS

Pac-Man AI : Reinforcement Learning
- ✓ Built a Pac-man AI player with Deep Q-Learning Neural Networks using Unity, C# & TensorFlow
- ✓ Achieved 94% success rate using graph path-finding algorithms for reward heuristics

SeeFood : Deep Learning, Computer Vision
- ✓ Modeled deep neural networks (Fast-RCNN) using Darknet YOLOv3 algorithm for detecting and classifying food items in an image/video, with 83% precision for the model trained over 20k iterations

Side Hacks
- ✓ Lunchbox – Web marketplace that connects 20+ home chefs with 100+ weekly local eaters in California
- ✓ Catalist – Web app that enables collaborative sharing and management of lists (shopping / rsvp)
- ✓ SmARt – Android Game that identifies and scores user drawings with Deep Learning, Augmented Reality.
- ✓ Donna – NLP chatbot that recommends lawyers and solutions based on LexisNexis historic legal data.

TECHNICAL SKILLS

Technologies : Java, Go, Python, JavaScript, Bash, HTML5, CSS, SQL- MySQL, Pg, NoSQL- Dynamo, Mongo
Frameworks : React, React-Native, Docker, Linux, Flask, Selenium, TensorFlow, AWS – EC2, S3, Lambda, VPC