

Tushin Kulshreshtha

Software Engineer | San Francisco, CA | 925-819-4160 | tushink04@gmail.com | [GitHub](#) | [Portfolio](#)

EDUCATION

San Francisco State University

Bachelor of Science in Computer Science | GPA: 3.95/4.0

San Francisco, CA

Graduation Date: Dec 2025

Courses: Data Structures & Algorithms, Database Systems, Distributed Systems, Operating Systems, Software Engineering

Honors: Phi Beta Kappa Honor Society | Dean's List (All Semesters)

TECHNICAL SKILLS

Python, Java, C, C++, Assembly (MIPS), Spring Boot, AWS EC2, AWS S3, AWS Lambda, AWS EKS, AWS Cloudwatch, Linux, Git, Github, Django, React, Next.js, Node.js, RESTful APIs, MySQL, MongoDB, Azure SQL, PostgreSQL

WORK EXPERIENCE

Sell Wizr

New York, NY

Software Engineer Intern

Jun 2025 - Present

- Engineered Docker-based microservices infrastructure for enterprise CRM, implementing containerization patterns that reduced deployment time by 40% and improved scalability
- Designed and developed a complex AI workflow system implementing the use of temporal and n8n, improving workflow optimization by 60%
- Implemented test-driven development practices in agile cycles, achieving 98% code coverage and 70% reduction in production defects.

San Francisco State University

San Francisco, CA

Head VP Assistant

Oct 2022 - Present

- Orchestrated University Committee Meetings with complete compliance to open meeting laws across 15+ committees, ensuring transparency.
- Managed funding evaluation for 200+ organizations, achieving high approval rate and facilitating over half a million in allocated resources
- Supervised team of VP Assistants, implementing performance tracking systems and optimizing committee operations under Board oversight.

Site Service Software

New York, NY

Software Engineer Intern

Aug 2024 - Apr 2025

- Spearheaded full-stack migration from legacy systems to React/Spring Boot/PostgreSQL stack, achieving complete modernization and 40% performance improvement
- Implemented OAuth 2.0 authentication, JWT management, and OWASP-compliant security, reducing vulnerabilities by 85%
- Developed 20+ RESTful APIs with comprehensive validation, optimizing database queries and reducing response times by 30%.

PROJECTS

Safe Walk

San Francisco, CA

React, Node.js

- Won SF Hacks 2025 building SafeWalk, a React/Node.js app processing over a thousand real-time 911 calls to suggest safer walking routes and reduce pedestrian incidents in high-crime areas
- Developed AI route assistant with Google Gemini API analyzing 911 data within 0.2-mile radius to provide safety recommendations for late-night commutes and dangerous neighborhood navigation
- Created interactive crime mapping system with Leaflet.js and automated algorithms displaying color-coded safety zones (50-500m scaling) for data-driven urban planning decisions

AI-Powered LinkedIn Job Scraper & Matcher

San Francisco, CA

Python, BeautifulSoup, Selenium

- Built a multithreaded Python job scraper using Selenium and BeautifulSoup to extract LinkedIn job info.
- Implemented dynamic query parameters to automate targeted scraping for specific roles and locations.
- Optimized data processing to handle large datasets efficiently with high accuracy and reduced processing time.

Serial Project Management

San Francisco, CA

Vite, MySQL, Node.js, Docker

- Built SerialPM full-stack platform with React 18, Node.js, MySQL, featuring JWT auth and Socket.IO real-time collaboration for 3+ user types with multi-tenant support and role-based access control.
- Created interactive timelines with drag-and-drop, zoom controls, and tag filtering to manage 500+ tasks per project; automated workflows reduced planning time by more than half.
- Deployed scalable Docker architecture with 15+ RESTful APIs, 6-language internationalization, and enterprise security (bcrypt, CORS) for production-ready deployment.