SHREYANS JAIN

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Available June 2025 to December 2025

EDUCATION

Northeastern University, **Boston, MA** | Master of Science in Computer Science | GPA: 4.0   Sept 2024 - May 2026
Relevant Coursework: Programming Design Paradigms, Mobile App Development (iOS), Algorithms, DBMS
NIIT University, **India** | Bachelor of Technology in Computer Science | GPA: 8.39/10   Aug 2018 - May 2022

TECHNICAL SKILLS

Programming Languages:	Java, Python, Swift, C++, JavaScript, TypeScript, SQL, R, Rust
Libraries/Frameworks:	Spring Boot, React, NodeJS, ExpressJS, Flask, Django, UIKit, SwiftUI
Tools/Platforms:	AWS, Docker, Kubernetes, Jenkins, SonarQube, Kafka, Git, Github, Linux, Xcode
Databases:	MySQL, PostgreSQL, Firebase, MongoDB, Redis,
Other Skills:	DevOps, Backend development, Web Scrapping, Shell Scripting, Object-Oriented Design

PROFESSIONAL EXPERIENCE

Trellix | Software Development Engineer   Aug 2022 - Aug 2024
Endpoint Security (HX) Development
- Fixed EventStreamer migration bugs by rewriting core modules, preventing data loss for 30% of enterprise clients
- Enabled scalable deployments by creating Docker configurations for physical servers, and AWS EC2 instances
- Optimized performance by analyzing code quality through SonarQube and addressing technical debt

Customer Support & Resolution
- Debugged enterprise Linux servers by analyzing performance metrics, conducting disk usage analysis, and creating shell and Python scripts for workflow automation and resolving critical issues
- Fixed 50+ critical bugs, improving system stability by 20% and preventing potential service outages
- Led cross-team collaborations that increased customer satisfaction scores by 15%

Northeastern University | Graduate Teaching Assistant   Sept 2024 – April 2025
Boston, MA
- Led Theory of Computation as Lead TA for 200+ students across two semesters along with mentoring junior TAs
- Conducted discussions and streamlined course coordination to improve student engagement

PROJECTS

Kubernetes Cluster Management with AWS Integration – GitHub | Kubernetes, Docker, Helm, Terraform, AWS EKS, KIND
- Architected scalable Kubernetes infrastructure using KIND for local development and AWS EKS for production deployments
- Implemented container orchestration with Docker and AWS ECR for secure image registry, utilizing Helm charts for deployment automation
- Configured multi-environment CI/CD pipelines using AWS CLI and integrating AWS services, enabling seamless cluster provisioning and workload management
- Developed Infrastructure as Code (IaC) templates using Terraform for reproducible Kubernetes environments across development and cloud platforms

Stock Market Simulator for iOS – GitHub | Swift, UIKit, Xcode, Firebase
- Developed an iOS application to simulate stock market transactions, integrating Y-Finance APIs for real-time market data
- Implemented a robust authentication system using Firebase, incorporating Face ID and Touch ID for enhanced security
- Applied the Model-View-View Model (MVVM) architectural pattern to improve scalability, and code reusability

Data Warehouse Implementation for Entertainment Distribution Merger | R, SQL, MySQL, dplyr, ggplot2
- Architected a star schema data warehouse to simulate the merger of global movie and music distribution companies
- Performed ETL operations with data cleansing across database systems, implementing slowly changing dimensions
- Developed analytics dashboards using R Markdown with automated test cases to ensure data integrity and accuracy
- Optimized query performance through dimensional hierarchies, enabling efficient cross-selling analysis

ACHIEVEMENTS AND LEADERSHIP ACTIVITIES

- Introduction to Kubernetes - LinkedIn Certification
- Recognized for exceptional problem-solving skills and technical innovation at Trellix
- Organized hands-on coding workshops for 100+ students on algorithms and system design