MILIND SHARMA

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EDUCATION

Northeastern University, Boston, MA   *May 2023*
Master of Science in Information Systems, GPA: 3.84/4.0
    Relevant Courses: Program Structures and Algorithms using Python, Web Development Tools & Methods, Web Design and User Experience Engineering, Network Structures and Cloud Computing

Charusat University, Anand, India   *May 2018*
Bachelor of Technology in Information Technology

SKILLS

Languages:	Swift 5 **|** Python **|** Java **|** C++ **|** Objective C
Cloud Platforms:	Amazon Web Services
Web Technologies:	JavaScript **|** React **|** Node.js **|** HTML5 **|** CSS3
Tools & Technologies:	XCode **|** Cocoa Touch **|** REST APIs **|** Spring MVC **|** Hibernate **|** Postman **|** VS Code **|** Android Studio
Database/Storage:	Oracle SQL **|** PostgreSQL **|** MySQL **|** MongoDB
Version control:	Git **|** SVN

WORK EXPERIENCE

Software Engineer Intern, *Nok Nok Labs,* San Jose, United States   *May 2022 - Dec 2022*
- Created and maintained a CLI-based enterprise app using Java, Spring Framework, and object-oriented programming principles for Admin CRUD operations
- Leveraged Java Spring's dependency injection and inversion of control features, reducing development time by 20%
- Optimized a high performance React.js web application that achieved a 30% improvement in page load time
- Implemented efficient iOS memory management techniques, resulting in 25% decrease in crashes or memory-related issues
- Developed an exercise module for integrating the iOS SDK of the product, ensuring seamless integration and usage for clients

Graduate Teaching Assistant, *Northeastern University,* Boston, United States   *Jan 2022 – April 2022*
- Evaluated and provided constructive feedback on students' assignments and projects, helping them improve their database design
- Assisted students in complex SQL queries, optimizing query execution plans, and troubleshooting database performance issues

Software Engineer, *TatvaSoft,* Ahmedabad, India   *Jan 2018 - July 2021*
- Led design and development of two iOS apps using Swift, achieving 300k+ App Store downloads and positive user feedback
- Enhanced product quality by writing effective unit tests and code reviews, resulting in reduced number of bugs by 60%
- Employed RxSwift, MVVM, and Coordinator pattern for a reactive, modular, and navigational architecture with seamless data binding and code organization
- Utilized CoreData to efficiently manage and store app data, reducing data retrieval times and improving app scalability
- Successfully integrated RESTful APIs into the applications, allowing seamless communication with backend systems
- Responsible for refactoring, migrating a legacy Objective C codebase into a modular, adaptable Swift framework
- Worked in Agile, utilized TDD practices to deliver high-quality software with improved code coverage & faster defect identification

ACADEMIC PROJECTS

Cloud Computing *(AWS, EC2, S3, RDS, Lambda, Load Balancer, CloudWatch, Terraform, Node.js)*   *Jan 2023 - May 2023*
- Implemented Packer templates to automate the AMIs creation, reducing deployment time by 40% for custom images
- Used Terraform for infrastructure as code, leading to a 40% reduction in provisioning time and a 30% decrease in infra costs
- Developed robust CI/CD pipelines using GitLab CI to streamline the build, testing, and deployment of a Node.js webapp

IRIS *(React, Material-UI, RESTful API services using NodeJS and Express, MongoDB, Postman)*   *Jan 2022 - May 2022*
- Devised a responsive web app in React prioritizing 911 calls with non-emergency rapid telehealth care
- Implemented Google Maps API and created JSON-based REST APIs in Node.js & Express, and integrated JWT authentication for secure backend management

Campus Housing System *(Java, Spring boot, Hibernate, MySQL, Apache Tomcat, PL/SQL)*   *Sept 2021 - May 2022*
- Developed secure Spring Boot app with Hibernate, implementing session management in Spring controllers to requests handling
- Optimized indexes and reduced data redundancy, resulting in increase in database query performance by 40%
- Implemented robust exception handling for data, generating insightful reports for decision-making

LifeLine - Test kit delivery management system (Java, Swing, NetBeans IDE)   *Sept 2021 - Dec 2022*
- Developed a Java application using Object-Oriented Programming principles, implementing intuitive UI with Swing layouts and controls for user input and model manipulation