

Aashi Shrimal

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EDUCATION

Northeastern University, Khoury College of Computer Sciences, Boston, MA December 2023

Master of Science in Computer Science,

Relevant Coursework: Data Structures and Algorithms, Building Scalable and Distributed Systems, Artificial Intelligence, Databases

Symbiosis University of Applied Sciences, India May 2021

Bachelor of Technology in Computer Science and Information Technology

Relevant Coursework: Software Engineering, Data Structures and Algorithms, Databases, Object Oriented Programming

TECHNICAL SKILLS

Languages	Java, JavaScript, Python, Swift, Typescript, ABAP, C/C++, SQL
Databases	MySQL, Oracle
Web Technologies	Angular, Node.js, React, React Native, Redux, REST, GraphQL, Spring, HTML/CSS
Services	Amazon Web Services (S3, Cognito), Firebase, JD Edwards, Jira, iOS and watchOS SDK
Version Control & IDE	Git, Bitbucket, Android Studio, Xcode, Atom, VSCode, IntelliJ, Eclipse

WORK EXPERIENCE

Pfizer Inc., Cambridge, MA January 2023 - December 2023

iOS Application Developer Co-op

- Spearheaded the development of iOS/watchOS app in Swift 5.7 for efficient collection of clinical health data for analytics.
- Leveraged AWS S3 for storing data collected through the integration of AVFoundation and CoreMotion frameworks.
- Engineered a watchOS app using in-built API endpoints to transmit health data and raw accelerometer data to the iOS app.
- Crafted reusable iOS components for iOS and iPadOS devices using SwiftUI and UIKit, optimizing code by 30%.
- Employed MVVM clean architecture and Cocoa design patterns, delivering a 30% speed boost while bolstering scalability.
- Directed all key phases of Software Development Life Cycle (SDLC)-requirements gathering, design, coding, and testing- using Agile methodologies; expedited project completion by 30%, aligning with strict timelines and quality benchmarks.
- Developed comprehensive iOS unit and UI tests achieving 98% code coverage and deployed application to TestFlight.

Surtel Technologies Pvt. Ltd., Indore, IN

January 2021 - December 2021

Associate Software Developer

- Developed a full-stack web-based logistics mobile app, integrated with a Cloud-based ERP system in Android Studio-Java.
- Modularized code employing MVP architecture and dependency injection, revamped code to increase efficiency by 35%.
- Built RESTful APIs using Retrofit library to hone dynamic display of complex data by 20% leveraging Oracle as a database.
- Devised creative bidding system algorithm to predict low-cost transportation solutions to optimize search results by 55%.

IT Informatix, Indore, IN

March 2020 - December 2020

React Native Developer Intern

- Led cross-functional team of 6 to develop large scale 5+ mobile applications, using React Native, across the globe.
- Increased application scalability and stability by 30% by deploying React Hooks, and optimizing state management.
- Applied React Redux-Persistence to store user data and data fetched from the backend ensuring a 60% faster app.
- Engineered a robust PHP-based API for customer-focused applications, optimizing Callbacks, secure credential storage, routing, and token verification; achieved a 40% reduction in login errors and a 25% increase in user satisfaction metrics.
- Implemented test automation using Detox, accomplishing 100% code coverage on critical components.

Durity Pvt.Ltd., Hyderabad, IN(Remote)

July 2020 - August 2020

Mobile Application Developer Intern

- Designed high-quality, resilient cross-platform digital wallet mobile application utilizing Ionic Framework, with AngularJS.
- Programmed AES encryption in iOS on the Hardware Security Module to increase app reliability, increasing users by 30%.
- Coded in-app survey then analyzed data to develop creative solutions for better UX, overhauling app store ratings by 20%.

ACADEMIC PROJECTS

Full-Stack Desktop Application - Khoury Apprenticeship Program, Northeastern University November 2022 - December 2022

- Innovated REST-based Microservices using Node.js and React to create a robust full-stack application with MySQL for persistence.

Running Route Generator, Northeastern University

July 2022 - August 2022

- Applied DFS and BFS algorithms to design looped running routes on a Boston map for distances and starting points.
- Harnessed Python and Geoplotlib for geospatial data visualization, improving route plotting and data visualization.

EXTRA CURRICULAR

Sports : Massachusetts Table Tennis Women's State Champion 2023(rating level : 2300); Team Captain- 20+ tournaments across India, Best All India Rank: 20