

SREEJITH MENON

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STAFF iOS ENGINEER

Accomplished Staff iOS Software Engineer with over 8 years in the tech industry, including 6+ years in robotics and iOS development. Holds a Master's in Computer Science with a specialization in Machine Learning. Expert in Objective-C, Swift, UIKit, SwiftUI, and Core Animation. Proven track record in cross-functional collaboration, building maintainable, performant iOS applications, and driving technical innovation. Passionate about crafting engaging user experiences and pushing the boundaries of mobile technology.

Overview:

- Deep passion for coding, engineering, and building solutions, including highly intelligent product features.
- Excel in learning new, complex concepts and technologies quickly, incorporating learning into design work.
- Interact effectively with team members from a variety of cultural backgrounds and levels of experience.
- Success in delivering world-class user experiences to over 100 companies across 4 continents.

Selected Technology Skills:

Swift, Objective-C, iOS SDK, UIKit, SwiftUI, Core Animation, Foundation APIs, XCTest/XCUITest, Multithreading, Mobile Memory Management, API Design, User Interface, Agile, ML Integration, Core Graphics, Performance Optimization, Continuous Integration/Deployment, Source Control, Documentation, Code Reviews, Problem-Solving, Test Automation, Design Patterns, Client Architecture, Cross-Functional Collaboration

PROFESSIONAL EXPERIENCE

INVENTO ROBOTICS – 2017-Present (*Producer of robots for seniors with cognitive issues to provide safety and companionship-related services; robots in the senior's home provide an avatar for remote nurses 24x7. The company additionally produces service robots for banks, malls, and events.*)

Staff iOS Engineer (2021-Present)

Currently working as a Staff iOS Engineer for Invento Research Inc. in the U.S. (SF Bay Area, California location).

- **Architected and developed a high-performance iOS application**, leading to a 40% increase in user engagement. Utilized Swift, Objective-C, and SwiftUI, ensuring seamless integration with back-end platforms. **Led a cross-functional team in the agile development of a feature-rich iOS app**, resulting in a 30% acceleration in project delivery. Applied expertise in multithreading and mobile memory management.
- **Implemented cutting-edge ML integration into iOS applications**, enhancing user experience and boosting app performance metrics by 25%. Demonstrated proficiency in Core Graphics, Core Animation, and XCTest/XCUITest. **Drove the design and implementation of innovative UI solutions using UIKit and SwiftUI**, achieving a 20% improvement in user interface responsiveness and efficiency.
- **Championed the development of a scalable iOS framework**, facilitating a 50% increase in reusability across multiple applications. Employed robust API design and unit testing techniques. **Spearheaded the integration of continuous integration/deployment (CI/CD) processes in iOS development**, leading to a 15% reduction in deployment times and a 10% increase in code quality.
- **Initiated and led brown-bag sessions and hackathons**, fostering a collaborative team environment and enhancing peer knowledge in the latest iOS trends and technologies. **Developed and maintained a large-scale, enterprise-grade iOS application**, ensuring 99% uptime and optimizing for peak performance across diverse iOS devices.

Lead iOS Developer (2017-2021)

Hired to work on the mobile app side of product development, starting in Android and migrating to iOS within a few months (joined the core founding team). Architected verticals for Medical Diagnosis & Healthcare, Customer Support Queries, Banking & Personal Finance, Insurance Pricing, Retail Automation, and Visitor Management System. Derived insights on users' prevailing subjective opinions using Google Sentiment Analysis.

- **Contributed significantly to robots that were deployed in 100+ companies** (across 4 continents) and featured in multiple international media outlets such as CNN, Forbes, and The Guardian.
 - **Showcased the robot to Indian Prime Minister Narendra Modi and WH advisor Ivanka Trump** at the Global Entrepreneurship Summit 2017 and Consumer Electronics Show 2019 (Las Vegas, NV).
- **Achieved 97.5% accuracy in embedding Microsoft Real Time Multiple Face Recognition**, as well as 80% accuracy in designing and integrating a Google multilingual, 30+-language, contextual NLP model and 95.6% accuracy in adding the capability for Human & Face Detection with integrated tracking.
- **Built the entire framework for the upgrade from Swift to SwiftUI. Applied Vision algorithms for addressing Object Localization and Recognition tasks**, resulting in expedited processing of 155 frames per second.
- **Created the Human Pose and Hand Pose Estimation with the Apple & Google Vision framework**, achieving an average percentage of correct parts at 0.61. **Performed OCR and Text Detection with Google Cloud Platform** in natural scene images capable of running at approximately 13 FPS on 720p images.
- **Used the Apple and Google Speech Recognition framework on over 30 languages**, resulting in national accessibility. **Brought top logos to Invento's system** by writing a platform for integrating 3rd party client chatbots.

BITNOMIX LABS – 2016-2017 (*Multi-service startup company with 10 employees.*)

Senior Android Developer

Joined the Android team to build Android apps, along with contributing to UI/UX development.

- **Built a software stack that specialized in Personalized Marketing**, using push notifications and location, of Internet-related services and products (27 separate consumer services). **Obtained a 65% click-through rate and 33.6% conversion rate** by using demographics, in-app behaviors, and preferences to provide users with hyper-personalized offerings.

PRIOR POSITIONS:

Android Developer, Kapture (2015-2016) – Developed health and fitness apps using sensors and Bluetooth for customized diet and fitness plans, and provided technology consulting to startups and entrepreneurial events.

Android Developer, Senega Systems (2013-2014) – Developed B2C e-commerce apps for retail and wholesale in the U.S., enhancing user experience and increasing downloads by over 15%.

EDUCATION**Master of Science - MS, Computer Science (Specialization in ML)**

Stevens Institute of Technology – Hoboken, NJ – 2023

Graduate Courses/Internship – Introduction to Text Mining/Natural Language Processing; Machine Learning: Fundamentals & Applications; Deep Learning; **Summer Internship, AI**; Artificial Intelligence; Knowledge Discovery & Data Mining; Web Programming; Text Mining & Information Retrieval; Causal Inference; Mobile Systems & Applications

Bachelor of Engineering - BE, Computer Science

Visvesvaraya Technological University – Bangalore, India – 2015