

# KRUPA KADECHA

Senior Software Engineer | iOS | Swift & Objective-C | React Native

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## Summary

Experienced Software Engineer with 10+ years in iOS, macOS, Swift, Objective-C, React Native, Node.js, and NoSQL, specializing in scalable architectures, UX optimization, and real-time systems. Took a career break to explore AI/ML and robotics, earning a Master's in Computational Science, deepening expertise in AI, ML, computer vision, NLP, and autonomous systems. Now eager to merge AI-driven innovation with mobile development, leveraging a strong technical foundation, leadership skills, and a passion for building intelligent, high-performance applications in collaborative environments.

## SKILLS

Languages: Swift • Objective-C • Python • SQL • Java (Object-Oriented Programming) • JavaScript • C • C++

Technology:

React Native • Mobile Development • iOS • Android SDK • iOS SDK • WatchOS • Mac OS • UIKit • Cocoa Touch • Rest APIs • JSON Parsing • API Design • SOAP • SQLite • RDBMS • NoSql • RxSwift • Socket IO • Core Bluetooth Framework • Unit Testing • UI Testing • GraphQL • Design Patterns • MVVM • MVC • Firebase • SwiftUI • CocoaPods • CoreData • Core Animation • MQTT Communication • React Native • Agile Development • Scrum • Multi-threading (Async await) • Push Notifications • SDLC • Data Structures

AI/ML and Robotics:

Artificial Intelligence • Machine Learning • Neural Network • Deep Learning • Image Processing • TensorFlow • PyTorch • Reinforcement Learning • ROS2 • Computer Vision • NLP (Natural Language Processing)

Tools: Xcode • Version Control (Git) • Github • Gitlab • JIRA • CI/CD Tools • Jenkins • FastLane • DevOps Tools

## PROFESSIONAL EXPERIENCE

Ecosmob Technologies (dedicated resource for Netsapiens Inc., San Diego, US)

Remote

Senior Consultant Software Engineer (Contract-Part Time)

09/2023 - Present

- Led a team in development and maintenance of VoIP based product using SIP and WebRTC, ensuring high-quality real-time audio and video communication.
- **Accelerated development speed by 25%** by creating reusable components and streamlining architecture, optimizing project timelines for faster feature rollout. Keeping the impact analysis in mind.
- Oversaw deployment of software solutions for **more than 70 clients** and managed rebranding and customised client requests.
- Participated in sprint planning and recorded estimations, helping to reduce development time by 20%.

Ecosmob Technologies (dedicated resource for Netsapiens Inc., San Diego, US)

Ahmedabad, GJ, IN

Senior Software Engineer

01/2022 - 08/2023

- **Secured \$500K+ in project value** by successfully passing the interview process with Netsapiens(Telecom Platform Service Provider) located in US on behalf of Ecosmob, leading to an exclusive partnership and ongoing iOS development work.
- **Reduced client-reported issues by 40%** by implementing robust testing protocols and debugging workflows, leveraging XCTest and Instruments.
- Collaborated across 3+ teams, including product management, design, and QA, to optimize workflow and accelerate project completion by 25%, ensuring efficient prioritization and refinement of user stories in the backlog.
- **Performed end-to-end app development**, ensuring timely delivery, following Apple guidelines, and securing client acceptance approvals.
- **Mentored a team** of 5-6 developers, conducting code review feedback session and providing guidance to ensure system configuration and high-quality code, maintain security standards with encryption algorithms.
- Inspired the team to succeed in delivering a React Native application for both iOS and Android within just six months.

Scriptbees IT Private Limited (formerly AMS Technologies)

Remote

Consultant iOS Developer

12/2018 - 12/2021

- Responsibilities included client support, module development, product enhancement, branding based on client needs, troubleshooting, maintaining application versions with code versioning tools like Git.
- **Sustained** high-quality standards by implementing robust testing frameworks, ensuring resilient and flawless application performance.
- **Reduced app loading time by 50%** by refactoring the codebase and integrating advanced caching techniques.
- **Decreased bug incidents by 40%** by implementing automated testing and continuous integration workflows.

## PROFESSIONAL EXPERIENCE

Brevity Software Solutions Private Rajkot Limited

Rajkot, GJ, IN

iOS Developer

07/2016 - 11/2018

- During my three years at Brevity, I specialized as an iOS Developer, focusing on application development, APIs Integration, Compostable Architecture design, and creating & maintaining iOS tools and libraries to streamline development processes.
- I and my team **established** efficient development tools and libraries, with the help of that, we increased development speed by over 50% and set a record at Brevity by delivering fully functional iOS and Android applications in just 4 months with a team of only 6 members.
- **Achieved a major company milestone** by securing a long-term client project, which allowed Brevity to expand the team to 15 members—a significant accomplishment that enhanced the company's project portfolio and reputation.

TheAppGuruz

Rajkot, GJ, IN

iOS Developer

06/2013 - 07/2016

- **Specialized in multimedia application development** for iOS, with a focus on **Image, Video, and Audio processing**, leading development and conducting targeted R&D to address specific client requirements.
- **Developed 7-8 advanced image processing applications**, implementing features like image filtering, editing, and real-time video effects, enhancing user engagement and expanding the company's app portfolio.
- **Reduced development time by 20%** by creating reusable code modules for image and video processing tasks, improving project timelines across multiple applications.

## Education

Laurentian University, Sudbury, ON, CA

Sudbury, ON, CA

Masters in Computational Sciences

09/2023 - 12/2024

Gujarat Technological University

Ahmedabad, GJ, IN

Master of Computer Applications (MCA)

2010 - 2013

Saurashtra University

Rajkot, GJ, IN

Bachelor of Computer Applications (BCA)

2007 - 2010

## References

Meng-Cheng Lau, Ph.D (Assistant Professor, Laurentian University)

— mclau@laurentian.ca

Ronak Shah (Senior Technical lead, HCLTech, Mississauga, Ontario, Canada).

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