

# Manoj Gadamsetty

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## SUMMARY

Creative and detail-oriented Expert iOS Application Engineer with intermediate Android expertise and a strong grasp of enterprise application development. Known for building secure, high-performance mobile solutions, I have a proven track record of delivering scalable, user-centric apps at CyberArk Software. There, I led the creation of mobile-specific APIs, implemented advanced security protocols, and designed microservices supporting large, complex user environments. Proficient in Swift, Objective-C, Java, and Kotlin, I bring a holistic approach to crafting end-to-end solutions that meet rigorous enterprise standards. With a talent for problem-solving, cross-functional collaboration, and a passion for driving impactful mobile innovation, I am ready to contribute to forward-thinking tech teams.

## EXPERIENCE

### Senior Software Engineer

CyberArk Software India Pvt Ltd.

May 2021 - Present, Hyderabad

- **Development and Maintenance of CyberArk Mobile Applications**

Worked extensively on both **CyberArk Mobile** (Remote Access management) and **CyberArk Identity** (SSO and MDM) applications, focusing on building secure, enterprise-grade mobile solutions that align with CyberArk's security and user management protocols.

- **Design and Implementation of Mobile-Specific Backend APIs**

Developed and optimized **backend APIs** tailored specifically for mobile applications, ensuring robust functionality, seamless data flow, and enhanced security for mobile-specific use cases.

- **Advanced Security Implementations**

Enhanced application security through:

- **reCAPTCHA Integration** to prevent unauthorized access and mitigate automated attacks.
- **SSL Pinning** to secure communication channels and prevent man-in-the-middle attacks.
- **Secure Data Storage** to protect sensitive user data within the mobile applications, ensuring compliance with security standards.

- **Profile Management for MDM (Mobile Device Management)**

Implemented **profile management features** aligned with MDM protocols, enabling secure configuration of user profiles and device settings, in line with corporate policies.

- **OpenID and SAML Authentication Mechanisms**

Integrated **OpenID and SAML** authentication in mobile applications, allowing for secure, standards-based user authentication, and seamless compatibility with enterprise identity providers.

- **Secure Content Display to Prevent Screenshots**

Implemented **secure content display** functionality to prevent screenshots of sensitive information, protecting visible sensitive content and enhancing data privacy.

- **Vulnerability Scanning and Remediation**

Conducted regular **Synk and Checkmarx scans** to proactively identify and address vulnerabilities. Fixed identified issues promptly, ensuring the application maintained high-security standards and minimized potential risks.

- **Cross-Functional Collaboration for Security Compliance**

Collaborated with backend and security teams to ensure all mobile applications adhered to CyberArk's security protocols, driving alignment on security standards and compliance across development efforts.

- Engineered advanced RESTful APIs supporting over 100,000 mobile users, leveraging technologies such as Node.js and GraphQL to ensure optimal performance and reliability while maintaining stringent security standards.
- Designed and implemented a microservices architecture that increased system scalability by 50%, utilizing Docker and Kubernetes for container orchestration and deployment across multiple cloud environments.

### Senior iOS Developer

Frost Interactive (Currently ACE Online)

May 2020 - May 2021, Bangalore

- **Developed a Custom Video Player Using AVPlayer**

Created a customized video player with **AVPlayer** to meet specific UI requirements and enhance video playback functionality.

- **Implemented FairPlay DRM Licensing for Secure Video Playback**

Integrated **FairPlay Digital Rights Management (DRM)** to protect and secure video content, ensuring compliance with licensing standards.

- **Researched and Designed Scalable Applications for Data Processing**

Designed and implemented scalable solutions for **data extraction, analysis, retrieval, and indexing**, improving application efficiency and data accessibility.

- **Collaborated in Team Meetings and Provided Updates on Project Progress**

Contributed valuable insights and suggestions in team discussions, and regularly delivered updates on **deadlines, designs, and feature enhancements**.

- **Code Review and Debugging**

Conducted thorough code reviews and collaborated with development teams to **identify and resolve issues**, perform testing, and prepare for deployment.

- **Cross-Functional Problem Solving**

Worked closely with project managers, developers, QA teams, and customers to **identify and resolve technical issues**, ensuring smooth project progress and customer satisfaction.

- **Knowledge Base Contribution**

Developed and documented troubleshooting methods and innovative solutions, adding to the knowledge base to support the technical support team's efficiency.

- **Coordinated Large-Scale Software Deployments**

Orchestrated efficient software deployments, conducting extensive testing of new features, fixing bugs, and ensuring a smooth release process.

- Spearheaded the development of iOS applications using Swift, resulting in a 30% increase in app performance and user engagement by integrating advanced frameworks such as Core Data and UIKit.

## Senior iOS Application Developer

HAKATE Technologies (Product Name - EDWISELY)

January 2019 - May 2020, Hyderabad

- **Managed a Portfolio of 8 Published iOS Applications**

Successfully launched and maintained a portfolio of 8 applications available on the **Apple App Store**, with high user satisfaction and engagement.

- **Maintained and Updated Existing Applications**

Designed and deployed patches for existing iOS applications, ensuring seamless **automatic updates** and sustained app performance.

- **Quality Assurance Collaboration for Cross-Platform Compatibility**

Partnered with the QA team to verify app compatibility with analogous solutions on other platforms, ensuring consistent user experience.

- **Achieved a High App Store Approval Rate**

Maintained a **98% approval rate** on applications submitted to the App Store, reflecting adherence to Apple's quality standards.

- **Translated Design Plans into Full iOS App Frameworks**

Developed comprehensive iOS app frameworks from initial design concepts, delegating tasks to team members for efficient project execution.

- **Developed Enhanced Product Features**

Conceptualized and launched new product features, optimizing them to align with **marketing strategies** and enhance product appeal.

- **Collaborated with Product Development Teams**

Worked closely with product development teams to enhance products by incorporating user feedback and evolving requirements.

- **Defined Milestones for Product Roadmap**

Established specific criteria for each milestone within the product roadmap, providing measurable checkpoints to track development progress.

- **Cross-Functional Collaboration for System Solutions**

Partnered with cross-functional teams to assess and implement system solutions that met evolving product requirements, contributing to robust and scalable applications.

- Engineered a robust application architecture for EDWISELY, integrating machine learning models to provide personalized learning experiences, which increased user retention by 30% over six months.

## iOS Application Developer

Proxim Quest IT Solutions Pvt Ltd.

May 2018 - January 2019, Hyderabad

- **Collaborated with Cross-Functional Teams to Design System Solutions**

Worked alongside development, design, and business teams to analyze and implement system solutions based on evolving client requirements, ensuring adaptability and alignment with client goals.

- **Introduced Agile Methodologies to Enhance Development Workflow**

Spearheaded the adoption of **agile methodologies** and development best practices, improving project efficiency and responsiveness within the division.

- **Led Product Development as Subject Matter Expert (SME)**

Acted as the **primary point-of-contact** and Subject Matter Expert for product development initiatives, coordinating closely with project management to align on goals, timelines, and deliverables.

- **Contributed Insights and Updates in Team Meetings**

Provided valuable ideas and suggestions during team meetings, delivering regular updates on **project deadlines, design improvements, and feature enhancements**.

- **Collaborated on High-Availability Solutions for Mission-Critical Applications**

Worked with business analysts, development teams, and infrastructure specialists to deliver robust, high-availability solutions for critical applications, ensuring reliability and uptime.

- **Proposed Workflow Enhancements for Team and Project Efficiency**

Recommended improvements to optimize team workflows and project processes, contributing to a more streamlined and efficient development environment.

- **Created Proofs of Concept for Innovative Solutions**

Developed proofs of concept to explore and validate new solution ideas, demonstrating feasibility and potential impact.

- **Optimized System Performance through Proactive Adjustments**

Enhanced system performance by identifying improvement opportunities, making proactive adjustments, and resolving bugs to ensure optimal functionality.

- **Utilized Scrum Methodology for Estimation and Progress Tracking**

Estimated task hours and monitored project progress using **Scrum methodologies**, promoting transparency and effective time management across the team.

- Developed and deployed over 15 iOS applications using Swift and Objective-C, achieving an average user rating of 4.5 stars on the App Store and garnering over 500,000 downloads collectively.

## iOS Application Developer

Brn Infotech

September 2016 - May 2018, Hyderabad

- **Developed Full iOS App Frameworks from Initial Design Concepts**

Transformed basic design plans into comprehensive iOS app frameworks, strategically delegating tasks to team members for efficient project progression.

- **Applied Agile Methodology to Enhance Product Quality and Development Efficiency**

Employed Agile development practices to improve product outcomes and optimize development workflows, ensuring timely and quality-driven deliverables.

- **Integrated Third-Party APIs to Accelerate Development and Enhance User Experience**

Incorporated third-party APIs to expedite development timelines and add interactive features, enhancing the functionality and engagement of mobile applications.

- **Maintained and Updated Existing Mobile Applications**

Designed and implemented patches for existing apps, enabling seamless iOS automatic updates and sustaining app stability.

- **Integrated Mobile Payment Solutions for Enhanced User Convenience**

Added support for mobile payment platforms, including **Apple Pay, Stripe, and Razorpay**, to offer users secure and flexible payment options within the app.

- **Adhered to Apple's Human Interface Guidelines**

Developed applications in line with Apple's Human Interface guidelines to ensure consistent, user-friendly experiences that align with iOS UI standards.

## Trainee

BRN Infotech

April 2016 - September 2016, Hyderabad

- **Built a Strong Foundation in Programming and Mobile Application Development**

Gained in-depth knowledge in programming from the basics, covering **design, development, and testing** of mobile applications.

- **Developed Proficiency in Objective-C and Swift**

Achieved strong command of **Objective-C** and **Swift**, applying these languages across various app components.

- **Executed Full Development Cycle**

Managed all phases of the development process, from **UI configuration** to **coding and testing**, ensuring cohesive and functional application design.

- **Learned Software Engineering Best Practices**

Acquired knowledge of **software engineering process improvements** and **industry best practices**, incorporating these into development tasks.

- **Conducted Project Reviews for Quality and Compliance**

Reviewed projects to ensure **adherence to specifications and quality standards**, delivering applications that met established criteria.

- Participated in intensive training sessions focused on advanced mobile application frameworks, leading to the completion of multiple projects with robust architecture and improved user experience, under the guidance of senior developers.

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## PROJECTS

### CyberArk Mobile

CyberArk Software • [apps.apple.com/us/app/cyberark-mobile/id1470242558](https://apps.apple.com/us/app/cyberark-mobile/id1470242558)

### CyberArk Identity

CyberArk Software • [apps.apple.com/us/app/cyberark-identity/id499910663](https://apps.apple.com/us/app/cyberark-identity/id499910663)

### ACE Online(formerly known as Deeplearn)

Frost Interactive • [apps.apple.com/in/app/ace-online-by-ace-academy/id1512960642](https://apps.apple.com/in/app/ace-online-by-ace-academy/id1512960642)

### Edwisely

HAKATE Technologies • [apps.apple.com/us/app/edwisely-college-student/id1420569139?ls=](https://apps.apple.com/us/app/edwisely-college-student/id1420569139?ls=)

### Celebkonect

Proxim Quest IT • [itunes.apple.com/in/app/celebkonect/id1328807931?mt=8](https://itunes.apple.com/in/app/celebkonect/id1328807931?mt=8)

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## EDUCATION

### Bachelor of Technology in Electrical and Electronics Engineering

JNTU Kakinada • Ongole • 2016

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## CERTIFICATIONS

### CompTIA Security+ (SY0-601) Cert Prep: 3

### Cryptography Design And Implementation

### OWASP Top 10: #3 Sensitive Data Exposure And #4

### Cisco IOS Security Specialist

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## SKILLS

iOS ,Android, Watch OS , iPad OS , Swift , Objective C , Kotlin , JAVA , Spring Boot , .Net , C# , Shell , Mobile Device Management (MDM) , DRM Licensing , Shell Scripting , Open SSL , java Script and TypeScript