

# EGOROV MAXIM

## Senior iOS Software Engineer

### Contact Information:

- Email: [maxim.egorov.dev@gmail.com](mailto:maxim.egorov.dev@gmail.com)
- LinkedIn: <https://www.linkedin.com/in/maxim-egorov-ios>
- GitHub: <https://github.com/cayde-6>
- Location: Belgrade, Serbia
- Phone: +381 62 962 6466

## SUMMARY

iOS Engineer with 12+ years of experience in mobile application development and technical leadership. Expert in Swift, SwiftUI, and Combine with proven track record of increasing app retention by 20% and achieving 90%+ test coverage. Passionate about building user-centric applications for fintech, automotive, and gaming industries while mentoring development teams to deliver high-quality solutions.

## EXPERIENCE

### ***B2Broker - Liquidity and Technology Provider***

#### Key Contributions:

- Direct leadership of iOS development team, ensuring seamless project execution and cross-team collaboration
- Establish coding standards, conduct code reviews, and implement development best practices organization-wide
- Mentor junior developers through skill development programs and professional growth initiatives
- Coordinate with backend engineers, UI/UX designers, and product managers to align technical solutions with business requirements
- Oversee sprint planning, resource allocation, and progress tracking for optimal workflow efficiency

### ***B2Broker - Liquidity and Technology Provider***

#### Technical Accomplishments:

- Architected complex, responsive user interfaces for fintech applications using SwiftUI framework
- Implemented reactive programming patterns with Combine to manage asynchronous data flows and events
- Refactored monolithic framework into modular components, improving maintainability and scalability by 40%
- Integrated Swift Package Manager (SPM) for dependency management across multiple projects
- Designed and maintained continuous integration/deployment pipelines reducing release time by 50%

### ***Charge Cars***

#### Project Leadership:

- Spearheaded complete iOS application development for premium electric vehicle control system
- Built comprehensive app architecture from conception through deployment, including UI/UX design and testing frameworks

- Developed remote vehicle control features: secure locking/unlocking, climate preconditioning, real-time charging monitoring, and GPS tracking
- Integrated secure vehicle communication protocols using REST APIs and Bluetooth Low Energy (BLE)
- Optimized application performance for reliable operation under varying connectivity conditions

## ***Arrival***

### **Technical Innovations:**

- Developed production applications utilizing modern iOS frameworks and reactive programming principles
- Implemented robust client-server communication systems using Apollo GraphQL
- Created location tracking application capturing real-time positioning and accelerometer data
- Architected modular framework system with clear separation of concerns and responsibilities
- Achieved comprehensive test coverage of 90% across all applications and frameworks
- Designed private repository hosting solution for XCFramework distribution
- Established communication protocols between mobile clients and backend services using Protocol Buffers
- Researched NFC technology integration for automated access control systems
- Integrated Siri voice control capabilities for hands-free application interaction
- Managed CI/CD infrastructure for 12+ concurrent projects
- Contributed to embedded systems development using C++ with Bluez and Protocol Buffers

## ***Cryptopay***

### **Leadership & Technical Achievements:**

- Collaborated with cross-functional teams to deliver strategic product initiatives
- Analyzed user data and market trends to identify feature enhancement opportunities
- Facilitated team communication and prepared comprehensive project documentation
- Supervised engineering team including recruitment, training, and career development
- Ensured design compliance with Apple Store Guidelines and platform requirements
- Delivered industry-leading crash-free rate of 96% through rigorous testing and monitoring
- Expanded platform support to iPad, iPhone, and Apple Watch ecosystems
- Successfully migrated 60% of legacy Objective-C codebase to modern Swift
- Streamlined workflow and release management processes improving deployment efficiency
- Integrated automated testing infrastructure using CircleCI for UI and unit test execution
- Optimized application performance by removing redundant third-party dependencies

## ***Embria***

### **Professional Development & Results:**

- Mastered native iOS development fundamentals including UIKit, AutoLayout, CoreGraphics, and CoreAnimation
- Completed comprehensive app redesign project ahead of schedule (delivered in 2 months)
- Conceptualized and implemented seasonal engagement features for holiday marketing campaigns
- Designed interactive Santa Claus-themed mini-game for user retention
- Delivered measurable business impact: 20%+ app retention increase and 15%+ conversion improvement
- Enhanced application functionality through strategic third-party API integrations

## ***Game Insight***

**Technical Contributions:**

- Evaluated and integrated APIs for enhanced development efficiency
- Collaborated with QA teams to validate game design requirements and functionality
- Accelerated development timelines through strategic third-party library integration
- Developed custom shader solutions for advanced visual effects and graphics optimization
- Utilized Cocos2D game engine for UI component development and graphics rendering
- Contributed to multiple successful mobile game launches reaching thousands of users

**TECHNICAL EXPERTISE****Programming Languages:**

- Swift (8+ years) and SwiftUI (4+ years)
- Objective-C (6+ years)
- C++ (3+ years)

**iOS Development Frameworks:**

- iOS SDK and Custom Framework Development
- UIKit, Auto Layout, and Interface Builder
- Core Graphics, Core Animation, and Metal
- Combine Reactive Framework
- Apollo GraphQL and RESTful APIs

**Development Tools & Methodologies:**

- Xcode IDE and iOS Development Toolchain
- Git Version Control and Branching Strategies
- Swift Package Manager and Dependency Management
- XCFramework Creation and Distribution
- Test-Driven Development (Unit and UI Testing)
- Code Review and Quality Assurance Processes

**Backend Integration & Communication:**

- RESTful API Design and Integration
- Bluetooth Low Energy (BLE) Protocol
- Protocol Buffers (Protobuf) Serialization
- TCP/UDP Network Programming
- Near Field Communication (NFC) Technology

**Project Management & Leadership:**

- Technical Team Leadership and Mentorship
- Agile and Scrum Development Methodologies
- Jira Project Management and Task Tracking
- Continuous Integration/Continuous Deployment (CI/CD)
- Sprint Planning and Resource Management
- Cross-functional Collaboration and Communication

**Specialized Technologies:**

- SiriKit Voice Integration
- Apple Watch (watchOS) Development
- CircleCI Automation and Testing
- Cocos2D Game Engine

- Embedded Systems Development (Linux/Bluez)

## EDUCATION

**Bachelor of Science in Computer Science**

## KEY ACHIEVEMENTS

- **User Engagement Excellence:** Increased application retention by 20% and conversion rates by 15% through innovative feature development and user experience optimization
- **Quality Assurance Leadership:** Achieved 90% test coverage across multiple applications and frameworks while maintaining 96% crash-free user experience
- **Legacy System Modernization:** Successfully migrated 60% of Objective-C legacy codebase to modern Swift, improving maintainability and performance
- **Technical Leadership:** Mentored 28+ developers across multiple organizations while leading cross-functional teams to deliver complex mobile solutions
- **Full-Stack Development:** Single-handedly developed complete iOS applications from architectural design through production deployment
- **DevOps Innovation:** Designed and implemented CI/CD pipelines for 12+ concurrent projects, reducing deployment time and improving code quality
- **Cross-Platform Expertise:** Delivered solutions spanning iOS, Apple Watch, and embedded systems while maintaining high coding standards