

Austin, TX

+714-310-6270

Michael Marsh

michael@neulux.tech

github.com/MichaelJMarsh

linkedin.com/michaelmarsh993

Senior Mobile Engineer specializing in Flutter, Firebase, and cross-platform mobile app development, with 4+ years of experience building and scaling applications used by millions. At Reflective Technologies, I develop top-tier wellness and AI-powered apps. In my free time, I founded CannaBook, a personal project exploring intelligent medical cannabis assistance.

SKILLS

- Flutter & Dart (Cross-Platform iOS, Android, Web)
- Firebase (Analytics, Authentication, Cloud Functions)
- AI Integration, SQL, Growth Hacking
- Figma, Git, CI/CD, Performance Optimization

EXPERIENCE

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|---|--------------------------------|----------------|
| Flutter Software Engineer | Reflectly | 2021 – Present |
| <ul style="list-style-type: none">• Maintained a robust cross-platform codebase powering 1M+ users across multiple wellness and AI-driven apps.• Led frontend development for AI and wellness projects, including Ask Atlas, Gust, Oath, Done: Habit Tracker, TimeBloc and other Reflectly mobile apps.• Spearheaded advanced audio player features for The Mindfulness App, enhancing media streaming and user experience. | | |
| Lead Developer & Founder | CannaBook | 2020 – Present |
| <ul style="list-style-type: none">• Launched AI-driven Flutter app for medical cannabis users, achieving 20K+ downloads and 1K+ active users.• Boosted engagement (+30%) and retention (+20%) with strategic push notifications and Firebase analytics.• Architected, developed, and deployed the full end-to-end solution for personalized health insights. | | |
| Research Assistant | Ruhr-Universität Bochum | 2018 – 2020 |
| <ul style="list-style-type: none">• Automated data workflows in MATLAB, cutting manual processing time by 50%.• Collaborated on academic projects and contributed to reports and publications advancing biomechanics research. | | |

SOFTWARE PROJECTS

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|---|----------------|
| The Mindfulness App | 2024 – Present |
| <ul style="list-style-type: none">• Developed advanced audio player with background playback and streaming for guided meditations.• Engineered Flutter-based architecture, optimizing performance and responsiveness across platforms. | |
| CannaBook: Medical Companion | 2020 – Present |
| <ul style="list-style-type: none">• Developed an intelligent platform for medical cannabis users with journaling, medicated recipes, and analytics.• Grew the user base to 20K+ downloads, 1K monthly active users, and 200 premium subscribers.• Constructed the app using Flutter, Firebase, and data-driven insights to enhance functionality and scalability. | |

Other Projects: linkedin.com/michaelmarsh993/projects

EDUCATION

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| Ruhr-Universität Bochum | Master of Science, Biomechanics | 2021 |
| California State University of Long Beach | Bachelor of Science, Exercise Science | 2018 |

PUBLICATIONS

Hessel, A. et al. (2019). Triceps surae torque-length relationships relevant for walking activity levels with and without an ankle exoskeleton.