

Matt Schultz

410-375-8667

matthewkschultz@gmail.com

Baltimore, Maryland

Skills

Leadership: Team Leadership, Architecture, Mentoring, Product Development, Supervision, Hiring, Consensus Building

Technologies: Javascript, TypeScript, SQL, SQLite, React, React Native, Ionic Capacitor, HTML, CCS, Jest, jQuery, AngularJS, Java, Mobile App Stores, GitHub Actions, CircleCI

Concepts: AI Product Development, Product Engineering, Privacy by Design, Testing, Mobile Development, Responsive Design, Accessibility Standards (WCAG)

Languages (Human): English (Native), Spanish (Fluent)

Education & Certification

ICAgile Certified Profession - Agile Team Facilitation
M.A., International Peace and Conflict Resolution – American University, School of International Service
B.M., Jazz/Commercial Music Composition – Towson University

Interests

Jazz Piano, Facilitation, Children's Writing

Professional Summary

Principal Application Engineer with 12+ years building enterprise cross-platform web and mobile applications and nearly 20 years leading high-performing, innovative, cross-functional teams. Proven record of scaling teams and integrating organizations, modernizing platforms, and driving cross-platform integrations. Skilled at uniting departments and external partners around technical rigor and collaboration to deliver complex enterprise products used globally in healthcare, utilities, and social services.

Career Highlights

- Scaled and mentored a rigorous and collaborative engineering team through Youreka's growth and acquisition, consistently delivering complex features on time.
- Architected AI-powered capabilities for authoring new guided workflows, analyzing existing ones, and launching a voice-activated application.
- Led the product development cycle from conception to release for the integration of Youreka's modules into Dispatch's apps after acquisition.
- Quickly architected and engineered new features to close a deal with IQVIA to power the UK's COVID-19 contact tracing system (1B+ answers tracked).

Relevant Experience

Principal Application Engineer

[Youreka Labs](#) / [Dispatch](#)

08/2021 to Present

- Designed a conflict-free replicated data type (CRDT) sync API and engineered a resilient local-first storage solution for the mobile app using an SQLite database, eliminating data loss and duplicate records across intermittent network conditions.
- Architected the refactoring of AngularJS Cordova app into React Ionic Capacitor, improving performance and long-term scalability for our cross-platform app.
- Built CI/CD pipelines and led release planning for Youreka and Dispatch mobile apps.
- Built and scaled a diverse engineering team, overseeing hiring, onboarding, mentoring, training, team-building, and process improvements.

Web/Mobile Engineer

[Synaptic AP](#)

02/2016 to 08/2021

- Founding engineer of the Youreka enterprise guided workflow and data collection app, later spun off as Youreka Labs.
- Worked with Product to develop new features and increase adoption across industries, including utilities, healthcare, and other global enterprise organizations.

Microsoft Access Engineer / Project Manager

[ERP](#) / [HCD](#) / [CMS](#)

01/2013 to 02/2016

- Migrated CMS Command Center from fragmented Excel spreadsheets into a unified Access database, decreasing event setup time from hours to minutes.
- Managed project integrating CMS and SSA systems to enhance fraud detection.

Program Manager, Youth

[International Rescue Committee](#)

03/2009 to 01/2013

- Created wrap-around support and advocacy services for resettled refugee youth and families incorporating case workers, therapists, and community partners.
- Developed a rigorous refugee integration rubric and analysis system using R.