Mike Fahy

Cary, North Carolina | 919-622-2289 | mfahydev@gmail.com

A veteran of health technology, online media and general software engineering with advanced technical skills, human-focused management experience and a knack for discerning what works, what doesn't and what can be improved. Proficient in software engineering, data analysis and decision-making. Combines strong communication skills, software development background and process-improvement experience to lead technical teams using legacy, current and emerging technologies. Designs, implements and analyzes secure, high-use, high-availability, online publishing and data-driven Web properties, mobile applications, embedded systems and the APIs to power them. Eager to apply technical and business-logic knowledge to design, produce and maintain high-performance service delivery solutions promoting scalability, innovation, efficiency, and security.

PROFESSIONAL EXPERIENCE

President/Founder, Technology Implementation Consultant, 2018-present
CodeCooler Solutions LLC, Cary, North Carolina

- Offer technical consultancy, coaching and system development services to public- and private-sector organizations within the Pharmacy, Trade Association and Tourism sectors.
- Communicate technical information to help client organizations and their representatives determine optimal strategies and best practices for meeting goals of community outreach, organizational support, revenue growth and product innovation using Web, email, mobile and API-driven distribution channels.
- Research, architect, develop and implement traditional and Cloud-hosted technical solutions, training materials and user-friendly tools to allow clients' existing employees to confidently assume control of user engagement (including access management, e-commerce solutions and marketing automation), customer relationship management (CRM), on-demand report generation and delivery, flexible newsletter management, data acquisition, data analysis and comprehensive disaster recovery plans.
- Recruit, cultivate and manage a reliable team of in-house and contract (and/or freelance) developers, designers and other specialists to complete digital technology projects within the agreed-upon parameters.
- Create and maintain technology roadmap for digital product development, including identification of key performance indicators allowing each client organization to improve operational excellence and streamline business processes based on its own requirements.
- Monitor business processes, track goals and ensure projects succeed using quantifiable metrics and analytics to measure, drive success and report progress to all stakeholders as goals are reached and surpassed.

Chief Technology Officer, VP of Software Development, 2012- 2018
PlusDelta Technologies LLC, Durham, North Carolina, Hybrid and Remote

- Initially engaged as a consultant to create a single REST-based client application, soon asked to serve as the Lead Software Developer for the company's entire flagship medication-tracking product, PharmTrac.PD. Within the first year, became the Vice President of Software Development and eventually the Chief Technology Officer overseeing all technical aspects of the company's products and online operations.
- Directed consistent development, delivery and maintenance of high-quality, high-traffic mobile and Web properties for hospital pharmacies to track medications from

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CORE COMPETENCIES

Strategic Leadership

- Strong professional and interpersonal communications with the ability to convey complex technical information effectively
- Multidisciplinary training and leadership experience in fields of publishing, journalism and software development
- Effective strategic analysis skills, KPI-driven progress tracking and reporting
- Ability to evolve and innovate as new technologies, opportunities and challenges arise

Programming Languages

JavaScript (Node, VanillaJS, React, Vue, Svelte/SvelteKit), Dart, TypeScript, PHP (Laravel, Symfony, Yii), SQL, Objective-C, Swift (Cocoa, Vapor), C#, Python, Perl, Ruby, ActionScript, Shell scripts (bash, sh, zsh, tcsh, fish)

Databases

MySQL/MariaDB, Postgresql, SQLite, Core Data, CouchDB, MongoDB, AWS DynamoDB, Cassandra,

time of order to time of administration. Resulted in average cost savings of more than $1.5 million annually for customers.

- Served as Chief Architect of HIPAA-compliant pharmaceutical verification and tracking solution consisting of proprietary Web-based application, data storage, native mobile client applications, on-site physical and containerized server infrastructures (including HTTPS, Redis, MariaDB, Grafana and websocket servers), custom Linux-based client devices and client-specific integration solutions (including XML, JSON, CSV, fixed-field, HL7 and other data channel formats).

- Maintained communication and managed expectations among principal stakeholders within technical, financial, clinical, cybersecurity, data management and operational sectors while planning, installing, maintaining and supporting the companies' flagship products.

- As VP of Software Development, led and work alongside software developers, vendors, consultants, system administrators and client editorial staff during the development, maintenance, off-site deployment and execution of these integrated systems.

- Designed, created and maintained technical documentation and software-based tools for coaching, onboarding and training of in-house and client staff in the setup, development, operation and maintenance of high-availability systems within a health-care setting.

Mobile and Web Application Developer, 2007-2011
Tierra Innovation Inc., Brooklyn, New York, Remote

- Worked directly with clients, vendors and other team members to create world-class, award-winning iOS applications and content-managed Web sites, Web-based applications and interactive components for high-traffic, high-profile media and publishing industry clients. Clients include NFL Network, Warner Brothers TV/Films, The CW Network, The Poetry Foundation, WNET Channel Thirteen (PBS), Council on Foreign Relations and IMAX, among others.

- Created award-winning and timely mobile apps (iOS, Android and Web-based) on behalf of Tierra and major print-industry clients, The Poetry Foundation, The Paris Review and The New Yorker Magazine, among others.

- Used Web (HTML5, Flash/Flex, ActionScript, JavaScript, XHTML, CSS, PHP, MySQL) and emerging technologies (particularly in regard to data sharing, e-commerce and narrative online storytelling) to develop error-free interactive animations, video players, social networking components, front-end interfaces and back-end server infrastructure for new and existing high-traffic Web sites and mobile apps.

- Developed custom, client-specific WordPress plugins for multimedia presentations, sweepstakes management, video and audio playlist management and Facebook, Twitter and e-mail campaign support. Plugins and WordPress efforts on behalf of PBS Channel 13 were featured during presentations at WordCamp NYC and later released as part of the open-source Tierra WordPress CMS Toolkit.

Lead Multimedia and e-Learning Developer / Open-Source Development Portal Editor
IBM Design & Information Development (2003-2007)
IBM developerWorks (1999),
Research Triangle Park, North Carolina

- Led and allocated resources for in-house digital media developers while working with designers, writers, subject matter experts and project managers from other departments to create and publish applications under deadline and within budget according to the wishes and specifications of IBM and third-party clients.

- Created award-winning, Web-based, CD- and DVD-distributed, stand-alone applications for product demonstrations; advertising products and e-learning platforms aimed at IBM employees, customers and third-party clients.

- Collected, edited and published white papers, tutorials and other content concerning open-source innovation and product evangelism for IBM Web portal targeting audience of Open-Source technology developers.

- Conducted beta tests and public launch phases of fledgling Web site focused on Developer Outreach for both IBM proprietary solutions and up-and-coming Free and Open-Source Software technologies.

Chief of Product Development, 1999 – 2003
ExtraPress Inc., Raleigh, North Carolina

- Oversaw product strategy and general operations of lean, boot-strapped, SaaS startup providing online digital content management solutions for small- and medium-sized newspapers/newsletters and nonprofits to produce online editions of existing print products without increasing technical staff.

- Hired, led and assisted developers and journalists in the creation, improvement and maintenance of Web and mobile publishing solution and accompanying online and printed documentation, marketing materials and Web site promotions.

- Provided contract-based editorial, marketing and technical assistance for third-party clients in publishing and marketing fields.

- Created and extended digital content-management and online publishing applications using client- and server-based Web technologies, and developed innovative tools to allow remote collaborative editing, wireless content access, online payment/subscription systems, user authentication and general-purpose file transfer services for non-technical clients.

Head of Software Development, 1999-2000
AwayMed Inc., Cary, North Carolina

- Recruited, interviewed, selected and led an in-house development team to create a Web-based Physicians Portal to serve as a gateway for orthopedic practice managers to access online content and applications produced by AwayMed and its partners.

- Selected and leveraged vendor-provided and Open-Source Web technologies (Linux, Apache, Perl, PHP and MySQL) to set up, develop and maintain both corporate and consumer Web sites and proprietary Web technologies.

- Led programmers in the development and maintenance of a full-stack health-information delivery solution (e.g., the AwayMed Information Prescription) for the transfer of physician-approved patient information via the World Wide Web.

- Developed Web-based tools for remote software installation, daily administration and monitoring of a growing net-based kiosk system.