

Michael P. Muckler, DDS

Healthcare Software Liaison & Full Stack Software Developer

E-mail: muckler@fullstacksource.com

The Woodlands, Texas

Offer working knowledge of full cycle software development, full stack coding, data analytics, online sales funnels, medical and dental device consulting, business management and ownership expertise, extensive clinical experience, and multi-phase multi-million dollar project management with drive and a sense of urgency.

SKILL SETS

Back-end Technology: Python, Node.js, NumPy, Matplotlib, Pandas, Node.js, JavaScript, Express.js, promises, Chart.js, SQL, PostgreSQL, Postico, MySQL, & XML

Front-end Technology: React, Redux, HTML, CSS, JavaScript, jQuery, Bootstrap 4.0, Axios, & AJAX

Computer Interaction: Command-line interface, Microsoft Windows, Mac OS, Visual Studio Code, Bash, nodemon, & Jupyter Notebook.

Application Hosting: Namecheap, Amazon-AWS, Ehost, GoDaddy, & Cloudflare deployment of static and dynamic sites & apps.

Content Management Systems: ClickFunnels, EverWebinar, Tableau, Simplero, MailChimp, Microsoft Office and SendGrid.

Business Skills: Managing 60+ employees & \$3 Million budget, understanding financial statements and business metrics, developing & executing marketing strategies, providing exceptional customer service, managing multi-unit locations, mentoring, utilizing personality profile testing, and taking an idea to profitable business that grosses over \$1 million annually.

RECENT PROJECTS | www.fullstacksource.com

Patient Communication Portal | | www.fullstacksource.com/#portfolio

- Communication portal with user authentication for patients to communicate with doctor office.
- Built with React, Redux, Auth0, Node.js, Express, Sequelize, Bootstrap, Axios, and PostgreSQL

Question and Answer Site | | www.fullstacksource.com/#portfolio

- Application for developers to post questions on various categories and other developers may respond to questions.
- Built with Node.js, Express, Sequelize, EJS, body-parser, PostgreSQL,

Dental Insurance Plan Selector | <https://github.com/Muckler/MVPDentalPlans>

- Tool for consumers to choose criteria to select dental insurance plan from 1000 plans.
- Built with jQuery, JavaScript, HTML, CSS, Bootstrap 4.0, Chart.js
- Pulled data from government API, utilized event listener, wrote source code logic to clean data, perform data analytics, and display to consumer in visually appealing format.

Data Science Hospital Readmissions | <https://github.com/Muckler/DataScience>

- Completed all software coding to analyze hospital admissions data and format analytics results for presentation to management on which variables may affect patient readmissions.
- Built with Python, Jupyter Notebook, Matplotlib, Pandas, Tableau, NumPy, HTML, SciPy, Statistics

Cloud Dental Metrics Software | www.fullstacksource.com

- Project lead for managing product development. Identified key requirements from dentist user group and completed product testing throughout development process.
- Built with PHP, HTML, CSS and marketed with ClickFunnels, EverWebinar, Simplero, and MailChimp.

PROFESSIONAL EXPERIENCE

Business Analytics & Software Certifications 2017-Present

- Digital Crafts: Full Stack Immersive Coding for Software Engineers
- Duke University: Business Metrics For Data-Driven Companies
- Duke University: Data Visualization and Communication with Tableau
- Duke University: Mastering Data Analysis in Excel
- Duke University: Managing Big Data with MySQL
- University of Michigan: Introduction to Data Science in Python
- David Pettigrew Certification: Certification for dental consultants including dental contracts, service bundling, dental claims submissions

Founder Collaborative Practice Intelligence Business Analytics 2016-Present

- Project lead for automated, online, cloud dental metrics software to benchmark key dental metrics for dental practices.
- Developed online dentist management training program that included content from 7 expert contributors, 500 pages of content, 18 modules of continuing education videos with verbiage techniques and worksheets.
- Grew to over 1000 subscribers

Medical and Dental Device Strategic Business Consultant April 2015-Present

- Provided consultative advice to medical and dental device start-up companies to evaluate the potential market, marketing strategies, vertical sales channels, FDA clearance strategies, fundraising options, and core team building.
- Utilization of Entrepreneurial Operating Systems and Vision Traction Organizer tools along with my product development experience to help start up companies get clear on their business development strategy.

President/Owner Multi-Unit Dental Offices NC & Texas Markets 1999-2015

- Grew revenues to be in the top 5% of dental practices in the U.S.
- Implemented metrics, business systems, and patient surveys to monitor strategies and redirect resources to grow income.
- Perfected new patient customer experience that was efficient, diagnosed complete care, and provided 5 star patient care.
- Managed new office construction of multiple units finishing all projects on time and within budget.

President and Founder Lake Norman Aircraft Charlotte, NC 2006-2012

- Established for profit general aviation company and purchased a Diamond DA-20 and Diamond DA-40 aircraft for business use.
- Business began profitably leasing aircraft to executives, and transitioned company to a user group owned general aviation company.
- Provided leadership during monthly user group meetings to insure profitable operations and pristine aircraft for the pilots.

President and Founder Ingenious Dental Charlotte, NC 2008-2012

- Dental Product Developer: entrepreneurial leader who designed, sourced, and manufactured an original radiographic diagnostic instrument that helps implant surgeons make the necessary diagnostic measurements on digital radiographs for implant placement. Product presently called the Radio-Tray and sold through Salvin Dental Specialties.

Education

University of North Carolina at Chapel Hill 1987-1995

- **DDS**, University of North Carolina at Chapel Hill
- **BA Biology**, University of North Carolina at Chapel Hill

Schuster Center of Professional Development Scottsdale, AZ 1999

- **MBA for Dentists**: 12 month program
- Focus: healthcare informatics and metrics, policies and systems management, profit planning and budgeting, setting fees, time management, health centered focus.

Additional Accomplishments

- Private Pilot Certificate: Have flown over 300 flight hours including numerous cross country flights.
- USAF Veteran: Recipient Meritorious Service Medal, Captain