

IOT Application Development – Full Stack - 2023

Who We Are:

The IOT Full Stack Application Development team partners with state agencies to provide application solutions to meet agency needs and goals. Our solutions may include recommendations for commercial off the shelf (COTS) products, custom full-stack development, or a referral to our low code/no code development team.

Our Mission:

To provide high-quality, innovative solutions to problems using custom application development and using industry best software development life cycle processes.

Department: 493021

Manager: Ryan Sheely

When We Were Formed:

The IOT Application Development Team was formed in September 2013 to provide cost-effective web and native mobile application development services to state agencies. In late 2022, "App Dev" was formally split into separate teams: Full Stack and Low Code/No Code.

What We Do:

We work with state agencies to identify, design, build, and maintain custom applications. Full Stack provides the developers assigned to your project, and coordinates with our other teams to provide business analysts, designers, technical writers, and team members with other applicable skillsets to create the best solution for your agency. We can offer native mobile application development, primarily iOS and Android. We primarily offer web and native applications written in the .NET framework. The full stack application development team can utilize existing data or create new database frameworks for your data.

Our Products:

1170	Application Development
1170M	Application Maintenance
1193CS	App Dynamics – Customer Service
1193CM	App Dynamics – Case Management

Our Tools:

Alemba (ASM)	Ticket Management and SLA Measurement
Agile SCRUM Methodology	Manage application development projects
Active Reports	.NET reporting tool
SourceTree	Graphical source control tool for branching and merging
Azure DevOps	Project tracking and code source control
Azure Data Studio	Database visualization tool
Visual Studio Team Studio	.NET Integrated Development Environment
Veracode	SAST/DAST scanning tool

Our Metrics:

A Project Charter or a Statement of Work (SOW), accepted by our department and our customer, drives our metrics. Within the Project Charter or SOW we define such elements as timeline, scope, and cost. We also offer optional software maintenance and support packages, technical writing services, and ad hoc training for your new staff.

Our Customers:

All state agencies. Some current customers include BOAH, DHS, DNR, & IHRC.

Our Growth:

As of January 2023, the app team has over 80 applications either in development or in maintenance.

Major Accomplishments:

- DHS Public Safety Portal – Fireworks, Amusement & Entertainment & Elevators/Lift Devices, Boiler and Pressure Vessels.
- IARA Forms Management (Modernization)

Current Projects:

- DNR Seedlings
- BOAH Dairy – new features and modernization
- IOT - KPI Data reporting application