

## TECHNICAL SKILLS

---

**Front-end:** Angular 2+ (4, 5, 6, 7, 8), HTML, CSS/SASS, TypeScript, JavaScript, ASP.NET, JQuery, Material Design, Bootstrap

**Back-end:** C#/.NET, Java/JEE (Spring, Maven), Node.js, REST, GraphQL

**Auth:** Auth0, AWS Cognito

**Databases:** MSSQL, MySQL, MongoDB, AWS Databases (RDS, DynamoDB, etc.)

**Cloud:** AWS (EC2, Elastic Beanstalk, Lambda, AppSync, S3, Cloudfront, RDS, IAM, Route53, etc.)

**Design Patterns:** Micro Services, Redux Pattern (NGRX), Model-View-Controller (MVC), Asynchronous Programming (AJAX, RxJS), Object-Oriented Programming (OOP), Rapid Prototyping, Responsive Web Development, Software Development Life-Cycle (SDLC), Continuous Integration/Continuous Delivery (CI/CD)

**Other:** Version Control (git, SVN), Project Management (Jira, Confluence, Assembla), CI/CD Tools (Jenkins, CodeCommit, BitBucket, CodeBuild)

## NOTABLE PROJECTS

---

### **Skylight BMS/IoT Console - Building Management System and IoT Data Collection and Analytics Platform**

- Tech Stack: Angular 7, TypeScript, HTML5, SCSS, Material Design, Java (Spring Boot), Auth0, AWS S3, Cloudfront, Route53, Elastic Beanstalk, MySQL, MongoDB
- Co-designer/Architect, UI Lead Developer
- Personally bootstrapped the Angular UI project, configured all routing, created all the modules and common components
- Weekly/Daily meetings with Project Management and stakeholders for prototyping feedback and production business requirements. Wrote Jira tickets and Confluence articles to document necessary design patterns
- Implemented Redux pattern via NGRX served as a subject matter expert for the pattern in the team
- Integrated Auth0 into Angular and NGRX for Authentication
- Designed and built a customizable IoT Dashboard to import and display data from commercial real estate HVAC/IoT systems based on user preferences
- Built modules dedicated to automatic triggering of Alarms based on imported data

### **Skylight Conditional Assessment Tool - Data Center Audit and Assessment Application**

- Tech Stack: Angular 6, TypeScript, HTML5, SCSS, Material Design, Java (Spring Boot), Auth0, AWS S3, Cloudfront, Route53, Elastic Beanstalk, MySQL
- UI Lead Developer
- Designed and built modules dedicated to conditional audit of large scale and high profile data centers

### **Skylight FM/Due-Diligence - Commercial Real Estate Due-Diligence**

- Tech Stack: Angular 7, TypeScript, HTML5, SCSS, Material Design, Java (Spring Boot), Auth0, AWS S3, Cloudfront, Route53, Elastic Beanstalk, MySQL, MongoDB
- UI Developer, assisted in design decisions based on lessons learned from legacy Facilities Management solution
- Created Commercial Real Estate Due Diligence module for real estate investors

### **Site 1001 FM “Classic” (Legacy) - Smart desktop/mobile Facilities Management solution for commercial real estate**

- Tech Stack: ASP.NET, JavaScript, HTML5, CSS3, Bootstrap, C#/.NET 4.5, AWS EC2, Route53, MSSQL
- Lead Developer (Front and Back-end) and Subject Matter Expert
- Migrated entire project from bare-metal servers to a secure and stable AWS environment that was rated “Well-Architected” by AWS staff evaluation.
- Assisted in long-term support and migration to the Skylight platform

## PROFESSIONAL EXPERIENCE

---

### **Senior Software Engineer, Site 1001, Inc.**

Kansas City, Missouri/Orlando, Florida

**June 2015 - Current**

- Lead project engineer on Site 1001 FM - Legacy Facilities Management Product
- Co-designer/Architect, UI Lead on Skylight Building Management System/IoT Console

- UI Lead on Skylight Conditional Assessment Tool
- Architecture and Migration of legacy services and databases to Amazon Web Services
- Build SaaS products and utilize SaaS, PaaS, and IaaS tools for architecture and deployment
- Integration Manager and training/onboarding of new employees after Series A funding
- Presentation of concept and design materials to internal stakeholders
- Customer/Internal stakeholder consultation and oversight of software implementation
- Support of the sales and customer success departments via weekly meetings
- Rapid prototyping of bootstrapped projects for stakeholders and development into enterprise-level solutions
- Review code written by team members and manage code promotion and releases via CI/CD pipeline
- Provide feedback on design concepts and strategic goals

**Director of Bands, North Callaway High School/Williamsburg Elementary K-8 (6-8th grade)**

Kingdom City, Missouri

**July 2012 - June 2015**

- Director of high school band activities (marching, concert, jazz)
- Director of 6-8th Grade beginning and intermediate bands at Williamsburg Elementary
- Taught high school level Music Appreciation and Music Theory
- Taught before and after school rehearsals for band and music activities

**EDUCATION**

---

C#/.NET Programming Certification - **University of California, San Diego, July 2016**Bachelor of Science in Secondary Education - **University of Missouri, December 2010**