William Orange

LinkedIn • Tampa, FL 33605

Lead Software Architect

Strategic and innovative proessional with extensive experience in designing and delivering scalable, high-performance SaaS solutions in Azure. Expert in architecting microservices, implementing DevOps best practices, and driving Agile development methodologies to optimize software delivery. Adept at leading cross-functional teams, mentoring developers, and fostering collaborative engineering culture. Skilled in leveraging emerging technologies to solve complex problems and drive business growth. Proficient in modernizing legacy systems, ensuring security compliance, and enhancing application performance through cutting-edge cloud solutions.

Areas of Expertise

- Software Architecture & Design
- Cloud Computing (Azure)
- Microservices & Event-Driven Architecture
- Agile & Scrum Methodologies
- DevOps & CI/CD Pipelines
- Continuous Learning
- Security & Identity Management
- Team Leadership & Mentorship
- Application Modernization

Technical Skills

Programming: C#, .NET 8, Angular, TypeScript, JavaScript, Node.js, HTML5, CSS3, SQL, PL/SQL
Cloud & DevOps: Azure Web Apps, Service Bus, API Management, Function Apps, Cosmos DB, Kubernetes, Azure DevOps
Tools: Visual Studio, Git, Docker, Postman, Twilio, Kendo UI, SQL Server Management Studio

Professional Experience

Clear Price Networks   **2018 – Present**
Lead Technology Architect/Co-Founder

Designed and led the development of scalable, event-driven SaaS solutions, leveraging .NET 8, C# 12, Angular 15, TypeScript, and Node.js. Architected microservices framework utilizing Azure Functions to process transactions from various data sources, ensuring high availability and scalability. Built a dynamic workflow orchestrator to customize microservice execution per customer, improving automation and operational flexibility. Developed an event-driven logging and alerting system using Cosmos DB and Twilio, centralizing error tracking and notifications. Enforced strict data security and integrity, implementing customer data segregation, secure storage strategies, and using Microsoft Entra ID for access control. Managed source control and deployment strategies via Azure DevOps, overseeing Git repositories, build automation, CI/CD pipelines, and artifact management with NuGet.

- Designed and implemented solution from the ground up, leveraging full suite of Azure services (Web Apps, Service Bus, SQL databases, Function Apps, Cosmos DB, Key Vaults, Static Web Apps, Storage Accounts, WebJobs, and API Management) to ensure scalability and resilience.
- Launched system at time when .NET Core 2.1 and Angular 7 were state-of-the-art, then strategically advanced platform to .NET 8 and Angular 15—enhancing security, performance, and cloud compatibility without compromising original vision.
- Streamlined Development with Custom Assets: Developed reusable development tools through custom NuGet packages, which standardized shared .NET components and accelerated integration across applications.
- Strengthened Security with API Governance: Instituted robust API governance via Azure API Management, enforcing strict access controls, throttling, and security measures to protect internal endpoints.

Cardinal Solutions Group (now Insight Enterprises)   **2015 – 2018**
Principal I Consultant & Team Lead

Modernized client technology stacks from the ground up, deploying innovative methodologies alongside traditional best practices. Engaged with high-profile clients, such as Jabil, L3, and Quintiles to drive system overhauls. Provided training to equip client employees with skills necessary for new systems and coding practices. Led team of five application developers, coordinating with team leads and practice managers to ensure alignment with project objectives and organizational goals. Conducted candidate interviews and contributed to development of project bids and estimates for prospective engagements.

- Enhanced the Order Entry application for Proforma franchisees, streamlining order processing. Modified both the Angular 1.6 front-end and C# back-end, optimizing the API layer and data models for improved functionality.
- Developed secure video processing and redaction system for law enforcement and government agencies, enabling seamless integration of body and in-car camera footage for L3. Led front-end development using Angular 2/4/5 with Gulp, Node.js, and SASS while optimizing API calls and implementing best practices.
- Served as first on-site Cardinal employee, strengthening client relationships. Led migration of Angular 2 from beta to RC1 and improved performance of internationalization/localization application. Spearheaded front-end development for Jabil's iFactory Lot Manufacturing system.
- Designed interactive web pages for Jabil's shop floor monitoring system, showcased at Microsoft's Messe Conference in Germany. Optimized display on MS Surface Hub, with final product presented to high-profile leaders, including U.S. President and the German Chancellor.
- Developed the server-side architecture for a mobile drug testing application, transitioning existing PC-based functionality to iOS and Android. Utilized Node.js, Express.js, Node SOAP, and JSON web tokens for secure data handling for Qunitiles.
- Created proof-of-concept modernizing the UI of the Shop Floor Monitor application using HTML5, CSS3, Bootstrap, jQuery, and Highcharts.js.
- Trained internal staff on Git repository setup and Jenkins automation for Java applications, reducing manual deployment time by 60 hours per software release for Cincinnati Children's hospital.

Tampa Bay Times - Times Publishing Co. 2014 – 2015
Team Lead - Application Development

Managed and optimized in-house and third-party applications critical for newspaper production, ensuring seamless functionality. Ensured code quality and deployment efficiency through testing protocols and adherence to established procedures. Coordinated with Project Managers to allocate resources and meet deadlines for Agile/SCRUM and waterfall projects. Collaborated with business users and vendors to gather requirements, align development with business goals, and resolve technical issues. Provided technical leadership by recommending design approaches, resolving development challenges, and enforcing best practices.

- Shaped departmental strategy by working with management on direction-setting and assisting with IT recruitment efforts.
- Led and mentored team of C#, Java, and PHP developers, fostering skill development and efficient problem-solving.

Healthesystems 2011 – 2014
Application Development Supervisor

Led full-cycle team management, including hiring, performance evaluations, salary adjustments, and disciplinary actions, fostering high-performing development team. Directed software development operations, overseeing the design, implementation, maintenance, and enhancement of enterprise applications built in Java 6 EE, T-SQL (SQL Server 2008 R2), and web interfaces utilizing Google Web Toolkit (GWT). Maintained software quality standards by enforcing Software Development Lifecycle (SDLC) processes, overseeing unit testing with JUnit, and ensuring seamless integration with Software Quality Assurance. Facilitated cross-functional collaboration, aligning Application Development with other departments to enhance efficiency, negotiate deliverables, and drive process improvements.

- Optimized project execution by planning, allocating resources, and setting clear timelines, ensuring timely completion of deliverables while negotiating and enforcing deadlines.
- Implemented rigorous code reviews, ensuring adherence to programming best practices and coding guidelines through automated tools like Checkstyle and FindBugs.
- Developed continuous improvement initiatives, providing ongoing training and refining processes to adapt to evolving software updates and releases.
- Streamlined deployment processes by overseeing release management for scheduled and emergency updates, leveraging Subversion for version control.

Additional Experience as Technical Manager & Lead Software Architect, Computer Sciences Corporation

Education

Bachelor of Science, Computer Science | University of Maryland Baltimore County