

Josh Bellamy - Senior Full-Stack Developer

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PROFESSIONAL SUMMARY

Senior Full-Stack Developer with 16+ years of experience specializing in enterprise web applications, utility management systems, and scalable cloud solutions. Proven track record of delivering cost-saving applications that improve operational efficiency. Expert in full-stack development with C#, ASP.NET, JavaScript, Node.js, and Azure cloud services.

CORE TECHNICAL SKILLS

Programming Languages: C#, JavaScript, SQL, HTML5, CSS3, ColdFusion

Frameworks & Libraries: ASP.NET, ASP.NET MVC, Node.js, Express.js, jQuery, AJAX

Cloud & Databases: Azure (OpenAI, Cosmos DB, AD/Entra ID), SQL Server, Oracle Database

Development Tools: Visual Studio, Git, Oracle SQL Developer, NPoco ORM

Specializations: Enterprise Applications, AI Integration, Web Services, Active Directory

PROFESSIONAL EXPERIENCE

Senior Programmer Analyst

ALLETE, Inc. | Duluth, MN | March 2014 – Present

Enterprise AI & Cloud Applications

- **Built ALLETE GPT:** Developed enterprise-grade AI chat platform with multi-model integration (Azure OpenAI, Anthropic Claude), serving 200+ users with 99.9% uptime and AES-256 encryption
- **Achieved Cost Efficiency:** Delivered \$2.43-\$4.66 per user operational cost while supporting 147% user growth and 137% increase in platform engagement

Utility Management Systems

- **Developed Storm Center:** Created comprehensive outage management system for Minnesota Power and Superior Water, Light & Power with real-time tracking and automated service call creation

- Built TroubleTracker: Replaced discontinued vendor software with custom service call management system, eliminating dependency and ongoing licensing costs
- Created R.E.M. System: Engineered reliability event management platform with automated SAIDI/SAIFI/CAIDI calculations for regulatory compliance

Mobile & Customer-Facing Applications

- Delivered Mobile Apps: Launched two customer-facing utility mobile applications on iOS and Google Play, generating \$80K annual cost reduction
- Enhanced User Experience: Designed and maintained external websites for multiple subsidiaries, improving customer engagement and brand consistency

Internal Systems & Infrastructure

- Active Directory Solutions: Built Project Express for self-service group management with advanced permission checking and security descriptor analysis
- Enterprise Tools: Developed conference room iPad application, password reset tools, and help desk integrations, streamlining internal operations

Programmer/Analyst & Systems Administrator

The College of St. Scholastica | Duluth, MN | 2011 – 2014

Educational Technology Solutions

- Student Risk System: Developed predictive analytics platform resulting in \$30,000 savings through early intervention
- CRM Implementation: Built custom Customer Relationship Management system, saving \$10,000 annually vs. third-party solutions
- Benefits Enrollment: Created web-based benefits enrollment system, streamlining HR processes and improving user experience

Web Development & Analytics

- OneStop Portal: Led development of comprehensive student services website integrating Financial Aid, Student Accounts, and Registrar departments
- Analytics Dashboard: Built interactive reporting system tracking unique page views and user demographics across campus locations
- Responsive Redesign: Co-developed college's responsive website redesign, improving mobile accessibility and user engagement

Technical Proficiency

- Rapid Learning: Mastered ColdFusion development and became lead developer within 4 months of hire

- Infrastructure Management: Built and maintained ColdFusion web application servers with monthly maintenance protocols

Senior Web Builder & Consultant

50 Below | Duluth, MN | 2008 – 2011

Client Solutions & Recognition

- Industry Leadership: Maintained relationships with multi-million-dollar dealerships in power sports industry
- Team Recognition: Voted Product Services Department MVP three times by peer recognition
- Project Coordination: Managed complete website building process from design through deployment using Endeavor Suite CMS

FEATURED PROJECTS

ALLETE GPT

- Enterprise AI Platform Multi-AI model chat application with Azure AD authentication, document processing, and end-to-end encryption.
- Technologies: Node.js, Azure OpenAI, Cosmos DB, Express.js, Anthropic Claude API

Storm Center

- Utility Outage Management Comprehensive outage reporting system with multi-step verification and real-time tracking.
- Technologies: ASP.NET, C#, Web Services, AJAX, jQuery

Project Express

- Active Directory Manager Self-service group management with advanced permission analysis and security integration.
- Technologies: ASP.NET, C#, Active Directory, LDAP, DirectoryServices

EDUCATION

Bachelor of Science in Computer Information Systems The College of St. Scholastica | Duluth, MN | 2003 – 2007

KEY ACHIEVEMENTS

- 16+ years of progressive full-stack development experience

- \$80K+ annual savings through mobile application development
- \$40K+ savings through custom in-house solutions vs. third-party alternatives
- 99.9% uptime maintained across enterprise applications
- 200+ active users supported on cloud-based AI platform
- Multiple utility companies served with mission-critical applications