



Lance Cothern

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EDUCATION

Georgia Institute of Technology Atlanta, GA
Bachelor of Science in Computer Science May, 2000
Specialization: Networking, Database Design and Artificial Intelligence

TECHNICAL SUMMARY

Languages: C#, Java, TSQL, TypeScript, Visual C++, C, SQL, ASP.NET, VB, PHP, Visual FoxPro
Additional Skills: Angular, Node.js, NPM, GIT, AWS, Web Services, ETL, NativeScript, SQL Server, MongoDB

Lead Software Engineer, Entrepreneur (May 2016)

- Azure hosted ticketing application with use of Google Firebase for data and JWT authentication.
- ETL using SSIS for GPS data from location aware video used in tracking government vehicles.
- Angular development with SQL Server and C# Web API back-end.
- Real time Angular seating component using Firebase document database and observables.

Lead Software Engineer and DBA, University Tickets (February 2008 – April 2016)

Provider of complete ticketing solutions for athletics, theatre or any collegiate event.

- Lead software engineering team in database and overall code design.
- Stored procedure development, tuning, database optimization and backups.
- Web and SQL Server installation and configuration using Amazon Web Services.
- Relational database design and production support for hundreds of individual clients.
- Reporting, data imports and extracts.
- Reviewing developers code and provide instruction in development.
- Extensive financial report development using stored procedures and Microsoft Reports.
- Involved in design and deployment of overall infrastructure (AWS).
- Interface with non-technical staff in product design and support issues.
- Mobile computing development and data integration using Web Services and SQL.

Senior Developer, MedAssets (April 2006 – May 2007)

MedAssets deals mainly with hospital and medical company chargemasters. Products assist customers in identifying revenue loss and correcting issues.

- C#, VB.Net and SQL Server development.
- Export library coding for specific patient accounting systems using SQL and C#.
- Customer data and report production using Crystal Reports.
- SQL Server 2005 Stored Procedure development.

Independent Consultant (September 2003 – April 2006)

- Visual Basic 6.0 development for General Electric statistical power plant optimization and cost saving. This tool evaluates plant efficiency and suggests improvements.
- SQL Server and VB 6.0 development for CSI, a medical coding guide provider.
- Automobile dealer website development using MySQL, PHP and FrontPage.

Technical Consultant, Georgia Tech Aerospace Systems Design Lab (May 2002 – August 2003)

Development of an online implementation of the Robust Design Simulation (RDS) tool for the Office of Naval Research. Responsible for producing an environment where researchers can easily generate, share and discuss RDS simulation results from new aircraft designs.

- Frontier server and database development at the core of the project.
- An interactive web display of statistical data, created using Java (J2EE), allows users to easily see the outcome of any given set of data graphically.
- General Electric code conversion from MATLAB to C for Windows and HP-UX.

Software Engineer II, T/R Systems (May 2000 - August 2001)

Software development within the MicroPress product group. Responsible for life cycle management and software development of assigned products. These products represent \$20.2 million per year in sales for the company.

- Software development in a complex system using Visual C++, C and MFC.

- Responsible for TCP/IP communication and SNMP information retrieval.
- Administration of help sessions for technical support representatives.
- Supervising final build of product, verification and release to customer.

Co-op, PCC Airfoils (June 1996 – August 1998)

Responsible for maintaining and updating product tracking system database.