David Lineberger

Education

1995–1999 **BA, Computer Sciences**, *University of Texas at Austin*, Austin, TX.

Experience

2010–present **UX Developer**, *Ringtail Design*, Austin, TX.

Designed, developed, and delivered numerous web-based and mobile applications to customers using a variety of technologies, either individually or as lead of a small 2 to 3 person team.

Employed a user-focused design process to ensure quality results. Example projects include:

- RAIN – A MEAN (MongoDB, Express, Angular, Node.js) web application for creating requests for information and displaying reports. Leverages socket.io for real-time updates.
- Mist – An Android app that provides real-time notification of requests and generates multimedia reports for the RAIN web application.
- Slingshot – An Android app for quick sharing of multimedia to other mobile devices in a bandwidth-constrained environment.
- Pulse – A Cordova-based application framework for displaying HTML/CSS/JavaScript widgets in an Android app targeted at tablets.
- Attached – iOS application and REST backend for quickly viewing all attachments in your GMail inbox. Project was built from scratch and went live on App Store within two weeks.
- AgileGraph – A C#/.NET web application for creating interactive charts and graphs automatically from CSV data sources. Uses MonetDB, NancyFx, and Razor templates.

2004–2010 **Senior Software Developer**, *Overwatch Systems*, Austin, TX.

Led several projects in SIGINT Systems business area with successful results. Used Agile methodologies, pair-programming, and test-driven development to deliver code low on defects and on schedule. Accomplishments include:

- Developing client applications with WPF and WCF using best practices such as MVVM and IOC to allow for a modular and testable codebase.
- Developing Sensor Network as part of a small team of software engineers. Sensor Network is a collection of tools for collecting and displaying real-time data feeds from a variety of sensors written in C#. Success of the project resulted in rapid growth of the SIGINT Systems business area as additional contracts were awarded.
- Implementing the Reciprocally-Related (RR) clustering algorithm in C++, which had previously existed solely as an academic whitepaper. Integrated the algorithm into the FCS Situational Understanding project by creating an extensible and customizable clustering engine.

2003–2004 **Systems Administrator**, *Electronic Data Systems*, Tulsa, OK.

Monitored and maintained 200+ UNIX application/web servers for Travelocity. Developed Tcl/Tk applications and shell scripts to increase the productivity and responsiveness of the support team.

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2000–2003 **Software Developer**, *BroadJump*, Austin, TX.

Began as software tester, but quickly promoted to software developer. Accomplishments include:

○ Completing corporate goal by developing new version of Service Access Manager (a C++ MFC application) with new features, defect fixes, and internationalization support.
○ Creating full-featured installers for multiple products, which included upgrade capability and an install-time registration system for product dependency management.
○ Designing and implementing semi-automated system for testing software components which decreased execution time while ensuring a high quality of testing.

Computer Skills

Frontend:	HTML5, CSS, JavaScript, Angular.js	.NET:	C#, WPF, MVVM
Backend:	Node.js, Express, Grunt, SQL, MongoDB, MonetDB, REST API	Mobile:	Objective-C, Java for Android
Testing:	Mocha, NUnit	Design:	Balsamiq, Keynote, Illustrator