

Bill Lindsey

Software Engineering Leader

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421 Greenbriar Cir., Petaluma CA, 94954

Accomplished, entrepreneurial technologist, leading teams and writing code.
Innovative solver of tough problems.

Excels at:

- Building robust systems that scale.
- Coaching a group of smart individuals to work as a team and surpass their own expectations.
- Working within tight time and resource constraints and managing to find the path to success.

Technical proficiency in:

Java, Javascript, Node.js, React/Redux, SQL, noSQL, analytics, C and C++, Linux, XML / XSLT, Android, agile, Python, SOLR / Lucene, HTML, AWS, Docker ...

In recent years, working in:

Large scale, real-time data analytics, contextual ad targeting, speech recognition, biometrics, embedded Linux, identity, security and cryptography.

Employment History

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CTO: March 2016 – present

Improving elder care through monitoring environmental sensors. Accepted into 500 Startups 18th batch.

- Built the MVP.

Sonavation, Inc. (*Acquired Arkami*)

VP Engineering – Consumer products: July 2014 – September 2015

Design and manufacture of ultrasonic fingerprint sensors.

- Overall responsibility for the complete software stack of the IDKEY-M, a FIDO U2F/UAF biometric security key.
- Managed distributed team of software engineers.
- Hands on coding of embedded Linux board support, user space, application logic and device drivers for SPI, I2C, USB, WiFi, Bluetooth LE, audio, OLED and fingerprint matching.

Arkami, Inc. (*DBA myIDkey*)

CTO: April 2013 – May 2014

Biometrics enabled consumer device for password management.

- Conceived, designed and built the software -- embedded Linux on ARM processor with TCP/IP and REST API over HTTPS via USB, WiFi and Bluetooth LE.

- Sourced and managed contract engineering for initial board bring-up and offshore developers for mobile apps.

Inform, Inc. (formerly NDN, acquired Mochila)

VP Engineering: March 2012 – April 2013

Video syndication.

- Delivered the platform for managing and delivering video across thousands of partner sites propelling NDN into the number two spot of US video properties with over 50MM unique monthly viewers and serving over 500MM monthly streams.
- Invented, coded and brought into production a system for embedding relevant videos into live content, generating \$9MM annual revenue.
- Built real-time analytics platform with natural language processing of page content, allowing exploration of traffic across topics and sites.

Mochila Inc. (formerly Snapbridge Software, Inc.)

Co-Founder, CTO, VP Engineering, VP Architecture: May 2002 - February 2012

Digital content syndication and advertising. Acquired in 2012.

- Built and managed 20+ member organization of engineers, QA, project managers, offshore developers and system administrators.
- Designed and built a platform for ingesting, normalizing, indexing and delivery of content. Providers could manage availability and pricing and publishers could find, select and customize the presentation.
- Introduced agile development processes, reducing release cycles from monthly to daily.
- Managed two migrations of the entire production infrastructure (200+ servers) between hosting providers with zero downtime. Reduced hosting costs by 75% while increasing capacity.
- Developed real-time contextual ad targeter.
- Built a data federation engine for high speed merging and transforming of data streams.

B-Bop Associates

Chief Architect: June 1999 - March 2002

Document management.

- Designed the architecture and led the coding of an XML based document management system.

Other

Studied Fine Arts/Painting at the San Francisco Art Institute.

Invited expert in W3C's SGML on the Web working group, developing the XML 1.0 recommendation.

Maintainer of the open source XLST engine, XT, bringing it into full conformance with XSLT 1.0.