Jason E. Schuchert
jason@codebarn.com | https://codebarn.com
https://github.com/shoeheart | https://www.linkedin.com/in/shoeheart
319.331.7525 | 210 Knowling Drive, Coralville, IA 52241

Summary

Empathetic leader and mentor. Excellent communicator in writing, conversation, and public speaking situations. Hands on problem solver and quick learner of many diverse problem domains. Two decades of experience forming, collaborating with, and managing teams of remote employees. Technical strengths in data modeling and design and implementation of multi-threaded back end systems. Enjoy learning from and mentoring team members while contributing to challenging engineering solutions.

Experience

Lead Infrastructure Engineer – **Follow Up Boss – Remote**   **June 2020 to present**
- Responsible for managing all AWS infrastructure serving thousands of daily active users.
- Load Balancing, Postgres, Aurora Mysql, Linux, Redis
- Capacity Planning, Security Upgrades and Audits.

Managing Member – **codebarn LLC – Coralville, IA**   **February 2019 to present**
- Perform software development, system administration, and website development for multiple clients

Chief Information Officer – **JMI Laboratories, Inc. – North Liberty, IA**   **July 2014 – February 2019**
- Ultimate responsibility for all software engineering using Ruby, Rails, Postgres, Ember, Angular.
- Instituted github source control and JIRA ticket tracking for project management.
- Kept legacy systems operational while implementing new Ruby on Rails / Postgres web based solutions to manage lab operations and produce data analysis output.
- Hired, trained, and managed three remote engineers and one IT/Facilities Manager.
- Oversaw migration of application hosting from in-house servers to Docker swarm hosted on AWS.
- Work with end users of all levels of authority and education to learn micro and genetic biology concepts needed for data modeling and web / mobile app implementations to facilitate lab operations.
- Before hiring any engineers, built the first version of Ruby based batch data analysis and publication production system to meet tight timelines of annual customer reporting within the first nine months.
- Continuous code contributor while performing management responsibilities.
- Invested in the company as a minority shareholder at first available opportunity.

Chief Technology Officer – **Frank N. Magid Associates, Inc. – Marion, IA**   **June 2007 – June 2014**
- Designed and implemented prototype in R, then production Ruby on Rails app for calculating Shapley Value and Total Unique Reach and Frequency for analysts' use.
- Sole technology representative for the company regarding technical details of each market research project with many of the world's largest media companies.
- Performed billable consulting during technology due diligence of digital TV hub
- Involvement in numerous other client engagements to provide technological advice and guidance.

Chief Technology Officer - **InsureZone – Fort Worth, TX**   **Sept 2003 – June 2007**
- Hiring and management of a team of four remote Java/XML/SQL developers and system administrator implementing custom commercial and personal lines insurance quoting and underwriting system.
- Responsible for all system architecture and prioritizing of tasks for all team members.
- Play lead coding role along with management duties.
- Manage relationships with insurance carriers such as Hartford, CNA, and Safeco to provide automated insurance quotes to our users.

Senior Software Engineer - **InsureZone – Fort Worth, TX**   **Feb 2001 – Sept 2003**
- Work remotely from Iowa City with business and development personnel in Fort Worth home office as well as San Francisco and Los Angeles.
- Led remote engineering team of three in implementing workflow tools to sell small business insurance.

- Led remote engineering team of four in rewriting and extending site using Java, JSP (using Jakarta Tomcat), Oracle 8i, XML for persistence and transfer, and XSLT for transformation
- Co-designed product to automate the population of website forms for the purpose of receiving insurance quotes from different carriers without human intervention.

Technology Advisor - **Aavin Venture Capital – Cedar Rapids, IA   Aug 2000 – April 2004**
- Provide business and technical analysis of numerous potential investments

Senior Software Engineer - **Lexica, LLC - San Francisco, CA   Dec 1999 – January 2001**
- Developed custom XML processing tools in Java as infrastructure for an electronic marketplace to support sales of personal and commercial insurance policies for sister company InsureZone.
- Effectively managed relationships with managers and other engineers in the San Francisco office while working remotely from Iowa City, IA.
- Devised and implemented a plan to quickly retool and redevelop the functionality of the Lexica electronic marketplace software in the face of limited capital availability and shifting priorities.
- Remotely managed six individuals in San Francisco office during this transition phase from Iowa.
- Represented Lexica on World Wide Web Consortium's xml-query working group

Director of Technology - **Breakthrough to Literacy - Oakdale, IA   Apr 1997 – Dec 1999**
- Significant work with Java/XML/JDBC/Macromedia Flash for company's next generation application.
- Member of a team of four software engineers producing two major releases of flagship early childhood literacy education software with special focus on database routines, reporting, revision control and automated build processes.
- Responsible for hiring and managing time and efforts of system administrator.
- Negotiated and managed contracts for outsourced software development and Y2K remediation.
- Hired one software engineer and one software engineering intern.

Software Engineer - **Bankers Systems Inc. - St. Cloud, MN   Oct 1995 to Apr 1997**
- Co-designed and implemented a custom SGML document management system in C++ for maintaining a knowledge base of legal banking documents.
- Co-designed and implemented runtime dynamic SGML document generation and processing engine for inclusion in company's flagship product
- Designed and implemented a Scheme language subsystem for running legal logic.
- Designed and implemented a language compiler for compiling a proprietary "knowledge base" language into Scheme for royalty-free runtime distribution.
- Implemented revision control, automated build, installation and automated content testing process for company's legal banking document knowledge base management and distribution tools.
- Conducted interview of applicants for various software development positions.

Software Engineer - **Breakthrough to Literacy - Oakdale, IA   Mar 1994 - Oct 1995**
- Participated in a team of four software engineers accomplishing a complete rewrite of the company's flagship early childhood literacy product in C++ for deployment on Macintosh and Windows systems.
- Designed and implemented object-to-relational mapping layer for interface between flagship product and relational data store.
- Managed revision control and automated build process.

Consultant - **Oracle Consulting - Atlanta, GA   Aug 1992 to Aug 1993**
- Worked at six different client sites including NCR, Digital, and GE Computer Services.
- Implemented various batch processing routines implemented with Oracle's PL/SQL language and Pro*C embedded SQL for C product.

Software Engineer – **CADSi – Coralville, IA**   **Summers 1989 to 1991**
- Extended 3D graphics functionality of mechanical simulation animation product written in C using the SGI GL library.
- Implemented mouse driver in assembly language for use with text-based menu system written in C.

Education

MBA Program - University of Iowa   **Aug 1993 to May 1995**
Completed thirty of sixty credit hours, maintaining 3.67/4.0 GPA while working full time.

BS Computer Engineering - Univ. of Illinois Urbana-Champaign   **Aug 1988 to May 1992**
Completed undergraduate degree in seven semesters, maintaining a 4.42/5.0 GPA.
Interned fifteen months as software engineer for CADSi, a mechanical analysis software company.

Personal / Volunteer Activities

Saint Andrew Presbyterian Church, Iowa City, IA
Finance team member since 2000.
Treasurer since 2017.
Responsible for instituting dual entry accounting system and proper gift/liability tracking.

Iowa Soccer Club, Iowa City, IA
Held positions as Club Treasurer, Parent coach, and Board Member

References

Contact Information and additional references available on request.

Professional:
Cory McNeely – Founder and CEO, Commerce Codeworks and BulbConnection.com, Iowa City, IA
Dennis Smith – Former CFO, Frank N. Magid Associates, Inc, Minneapolis, MN
Johny Hajjar, - Engineering Lead, InsureZone / AgentSecure, Las Vegas, NV

Personal:
Reverend Kyle Otterbein – Associate Pastor, St. Andrew Presbyterian Church, Iowa City, IA
Patrick Bosch, M.D. – Pediatric Orthopedic Surgeon