

Courtney Louise Rosenthal

cr+resume@croenthal.com

Senior technical contributor with experience delivering products to enterprise software, communications, and device industries. I'm especially interested in device management and automation, Internet protocols and services, and open source frameworks.

Principal Software Engineer

CommScope, Austin, TX (Apr 2019 – present)

ARRIS, Austin, TX (Jan 2016 – Apr 2019)

Pace, Austin, TX (Mar 2013 – Jan 2016)

- I work on products that manage and provide intelligence for residential broadband devices (CPE) and associated managed devices. Our products manage networks that scale to millions of devices.
- Currently working on large legacy platform product that provides CPE device and service management. (Java 8, Spring, RabbitMQ, Elasticsearch, Hibernate, PostgreSQL, Oracle, Python, Maven, AssertJ)
- Refactoring legacy product from on-premises architecture toward cloud native. (Docker, AWS, Consul, Ansible)
- Architect and implement REST APIs for platform operation and management. (Spring MVC, Swagger)
- Designed, implemented, and maintained microservice products. (Jabber/xmpp, SOAP, Gradle)
- Developed embedded agent that provides TR-069 management to devices. (C, autoconf, CWMP)
- Organized collaborative effort to create best practices for microservice projects. Created developer tooling and build environment. (git, Bitbucket, Jenkins, Groovy, Ruby) Piloted our team's inaugural intern program. (ElasticSearch, Logstash, Kibana) Mentor junior developers.

Software Engineer (Contract)

CoreTrace Corp, Austin, TX (Jul 2010 – Nov 2012)

- CoreTrace developed an enterprise product that implemented application “allow lists” to ensure workstations and servers did not execute untrusted software.
- Designed and implemented a web service that tracked known good and potentially bad/malware software in an enterprise. (Java, MySQL, Hibernate, REST, Tomcat, Jersey, Ruby)

Software Engineer (Contract)

Pervasive Software, Austin, TX (Oct 2006 – Jun 2010)

- Reported to the CTO. Performed research and development for new products and technologies.
- Helped pilot transition of traditionally hosted ETL products into a cloud-based online service. Produced prototypes integrating real-time event processing and NoSQL database into the ETL products.

Previous

- Metadot, Austin, TX. Contract developer, Ruby on Rails ticketing system. (Jan 2006 – Oct 2006)
- BroadQ, Austin, TX. Contract developer, embedded Linux development. (Jun 2005 – Dec 2005)
- Veritas Software, Austin, TX. Contract developer, bare metal system recovery utility for Linux/Unix. (Jun 2004 – May 2005)
- Unicom Systems Development, Austin, TX. Owner, provided contract development services. (Mar 2001 – Jun 2004)
- Covad Communications, Austin, TX. Principal Engineer, designed ISP services related to authentication and email, managed Austin R&D facility. (Jan 1999 – Feb 2001)
- The University of Texas at Austin, Austin, TX. Adjunct Lecturer in Graduate School of Library and Information Science. (Jan 1998 – May 1999)
- Deja News, Austin, TX. System Administrator for one of the first Internet search engines. (Nov 1995 – May 1996)
- Unicom Systems Development, Austin, TX. Owner, provided Unix business system and network services. (Dec 1990 – Oct 1995)
- Dallas Semiconductor, Dallas, TX. Senior Systems Engineer, Test Engineer, Telecommunication Products relating to speech compression and digital networking. (Mar 1986 – Nov 1989)
- Intel Corporation, Santa Clara, CA. Senior Test Engineer, Product Engineer, Microprocessor Division. Recognized by Andy Grove and Gordon Moore for 80186 microprocessor introduction in 1984. (Aug 1982 – Mar 1986)

Education

- **Cornell University**, Bachelor of Science in Electrical Engineering
- **University of Texas at Dallas**, part time masters student in School of Computer Science

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- I have been an SXSW speaker, session organizer, and advisory board member. I was nominated for the *Dewey Winburne Community Service Award* at SXSW 2005.
- From 2002 through 2014 I served on the City of Austin Community Technology and Telecommunications Commission, advising the mayor and city council on technology issues.
- I have been recognized by the *Austin Chronicle* three times with *Best of Austin* critic awards for different projects I've helped organize.
- My public software projects and Github link are here: <https://www.crosenthal.com/software>
- Last updated 25 Feb 2020. Latest version here: <https://www.crosenthal.com/resume>