

✂ Skills

Web Services

REST, OpenAPI (Swagger), OAuth 2.0, JSON Schema, XML, RAML

Network Architecture

Azure, AWS, Mobile Networks (3G, UMTS, LTE), IT Networks

Web Development

HTML5, CSS, JavaScript, Angular, Svelte, Bootstrap, Express, Flask

Software Languages

Tcl/Tk, JavaScript, Node.js, Python, C, Java, shell

Software Technologies

Git, GitHub, Kubernetes, Docker, Terraform, Packer

Datastores

PostgreSQL, SQLite, MySQL, Oracle, MongoDB, DynamoDB, Cosmos DB

📜 Certifications

AWS Certified Solutions Architect – Associate Certificate badge AWS01128751

Microsoft Certified: Azure Fundamentals Certificate badge

🎓 Education

BS Mathematics & BS Electrical Engineering University of Toledo

Front End Web Developer Nanodegree Udacity

Machine Learning Engineer Nanodegree Udacity

📖 Publications

Asterisk Open-Source PBX System Linux Journal – February 2004

Hacking Red Hat Kickstart Linux Journal – April 2003

🗣 Languages

English, Spanish (intermediate)

🧰 Experience

Principal System Engineer, AT&T/TechMahindra *June 2015 - Present*

- Assisted in the development and the architecture of the machine language platform, consisting of multiple microservices, datastores, and a web application.
- Migrated the machine language platform to Azure (AKS, DevOps, Storage, Key Vault, Cosmos DB) to take advantage of cloud services.
- Envisioned, evangelized, architected, developed, and productized an internal web application for REST API design that reduced costs and sped up delivery by at least 50%. Consists of multiple microservices deployed to a Kubernetes environment.
- Established best practices for REST web services across all of AT&T as a lead member of the internal standards team.
- Oversaw and improved API design, security, and privacy for externally exposed APIs (over a hundred unique APIs) as a lead member of the API governance.

Solution Architect, Sentaca *June 2011 - May 2015*

- Lead and mentored a team of 8-10 engineers for the developer program, including API design, demo/sample apps, documentation, and support.
- Designed and assisted in the development of an internal web application for error resolution management.
- Promoted API solutions at conferences and hack-a-thons by educating and demonstrating to customers the solution's capabilities.
- Implemented a new documentation system which reduced documentation delivery time by 30%.

Senior Test Engineer, AT&T *October 2010 - June 2011*

- Headed the performance testing efforts for the messaging platform, including authoring test cases, test case execution, and managing defects.
- Mentored team members on mobile and IT networks, by holding periodic workshops and consulting on various projects.
- Developed software tools for automation, testing, and troubleshooting of APIs.

Senior Engineer, T-Mobile *May 2010 - October 2010*

- Designed, engineered, and supervised subscriber-based network elements.
- Successfully lead the engineering team on a complex (total replacement) subscriber migration across the entire network.
- Developed tools to streamline the implementation and troubleshooting of services.

Technical Sales Engineer, Alcatel-Lucent *August 2008 - September 2009*

- Achieved highest-ranked sales engineer status by assisting the sales team to secure a major strategic win.
- Supported the sales team with technical expertise for product presentations and consultations to the customer up to the VP level.