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| Tools Skills | Briefcase Experience | |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Web Services | | | | | | | REST, OpenAPI (Swagger), OAuth 2.0, JSON Schema, HTTP/1.1, HTTP/2, XML, RAML | | | | | | |  | | | | | | | Network Architecture | | | | | | | Azure, AWS, Mobile Networks (3G, UMTS, LTE), IT Networks | | | | | | |  |  |  |  |  |  | | Web Development | | | | | | | HTML5, CSS, JavaScript, jQuery, Knockout.js, Angular, Svelte, Bootstrap, Gulp, Grunt, Express, Flask, Naviserver | | | | | | |  |  |  |  |  |  | | Software Languages | | | | | | | Tcl/Tk, JavaScript, Node.js, Python, C, Java, shell | | | | | | |  |  |  |  |  |  | | Software Technologies | | | | | | | Git, GitHub, Jenkins, SonarQube, Kubernetes, Docker, Agile, Terraform, Packer | | | | | | |  |  |  |  |  |  | | Datastores | | | | | | | PostgreSQL, SQLite, MySQL, Oracle, MongoDB, DynamoDB, Cosmos DB | | | | | | |  |  |  |  |  |  | |  |  |  |  |  |  | | Diploma Certifications | | | | | | |  |  |  |  |  |  | | AWS Certified Solutions Architect - Associate | | | | | | | [Certificate badge AWS01128751](https://www.youracclaim.com/badges/bd366c9b-c32e-4693-b34d-a1b2a264dad9/public_url) | | | | | | |  |  |  |  |  |  | | Microsoft Certified: Azure Fundamentals | | | | | | | [Certificate badge](https://www.youracclaim.com/badges/c861d262-cbfc-4e75-bebe-bf58ad19f812) | | | | | | |  |  |  |  |  |  | | 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 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 member of the API governance. * Consulted and mentored internal teams weekly on API design to optimize the solution based on project goals and existing network architecture. * Accelerated REST adoption by authoring internal best practice articles on REST concepts/design and leading a company-wide REST training program. | |
| 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. * Promoted API solutions at conferences and hack-a-thons by educating and demonstrating to customers the solution’s capabilities. * Implemented a new API documentation system which reduced 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 mobile 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. | |
| Diploma roll Education | | Briefcase Experience (cont) |
| |  | | --- | | BS Mathematics & BS Electrical Engineering (Honors) | | University of Toledo | |  | | Front End Web Developer Nanodegree | | Udacity | |  | | Machine Learning Engineer Nanodegree | | Udacity – currently enrolled | |  |   Newspaper Publications   |  | | --- | | Asterisk Open-Source PBX System | | Linux Journal – February 2004 | | [www.linuxjournal.com/article/6769](http://www.linuxjournal.com/article/6769) | |  | | Hacking Red Hat Kickstart | | Linux Journal – April 2003 | | [www.linuxjournal.com/article/6473](http://www.linuxjournal.com/article/6473) |   Speech Languages   |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | English |  |  |  |  |  |  |  |  |  |  | |  | | | | | |  |  |  |  |  | | Spanish |  |  |  |  |  |  |  |  |  |  | |  | | | | | |  |  |  |  |  | | German |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  | | Mandarin |  |  |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  | | Japanese |  |  |  |  |  |  |  |  |  |  | | |  |
| Senior Network Systems Engineer, Alcatel-Lucent *Nov 2005 - Aug 2008*   * Headed the performance optimization customer team from an engineering and project management role, and improved network performance by 10%. * Accelerated customer’s understanding of the products by providing presentations and weekly performance updates to the customer up to the VP level, on the core network (GSM, UMTS). * Reduced turnaround time and increased effectiveness of statistics reporting by developing an internal web-based reporting tool (ETL, server, and client-side). * Collaborated with development and system engineering on performance issues to improve the product’s performance. |
| Implementation Engineer, HMS Software *Jan 2005 – Nov 2005*   * Translated requirements from the customer into customized code that implemented new features into our standard software product (manufacturing ERP). * Performed testing, managed all bug fixes, and collaborated with the customer on the integration of the solution. * Increased productivity by mentoring other engineers in the Tcl programming language. * Optimized legacy code by conforming code to new features. |
| Senior Engineer, AT&T Wireless *April 2003 – December 2004*   * Engineered messaging platforms (e.g. SMSCs) within the company's mobile network. * Worked with the vendor to find the optimal solution and verification of the solution. * Reduced response time and improved quality by developing several software tools. |
| Lead Network Engineer, PacketVideo *June 2000 – April 2002*   * Designed, tested, and integrated the server (Linux) platform installation for both domestic and internal integrations. * Lead the first complete integration effort of the product line into the customer’s network (JSP and servlets on Apache/Tomcat). * Significantly reduced cycle time and improved quality by developing a customized RedHat Linux Kickstart installation for field installations and sales demos. * Improved internal communication by developing a web application for installation activities, knowledge base, and configuration generation. * Provided pre-sales and post-sales support, including presentations for the customers globally. |
| Lead Systems Engineer, Motorola *October 1996 – June 2000*   * Designed, tested and integrated products into the customer’s mobile network, for both domestic and international customers. * Lead several major network changeouts for the engineering team. * Enhanced subscriber accessibility by developing procedures and software tools to migrate/modify subscribers efficiently and in a significantly reduced time frame. |