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Summary/Objective:

Experienced Senior Software Engineer specializing in backend development with Node.js and full-stack development with expertise in JavaScript/TypeScript, Angular, and Agile methodologies. Proven track record of delivering high-quality solutions, leading cross-functional teams, and driving innovation in complex technical environments.

Skills:

- **Backend Development:** Node.js, RESTful APIs, Cloudant, CouchDB, SQL
- **Frontend Development:** Angular, AngularJS, HTML/CSS, SASS
- **Programming Languages:** JavaScript, TypeScript, Ruby, Java, Python. Skilled at quickly learning new languages.
- **Async Programming:** Proficient in asynchronous programming techniques for efficient and responsive application development.
- **Unit Testing Frameworks:** Jest, Jasmine, Karma, RSpec
- **DevOps:** Travis CI, Docker, Jenkins, Kubernetes, IBM Cloud Stack
- **Version Control:** Git
- **Agile Methodologies:** Sprint Planning, Test-Driven Development (TDD), Continuous Deployment
- **Other Skills:** Ability to quickly learn new tools and technologies, experience with full product lifecycle, Complexity Assessment, Cross-Browser Development, Analytics

Experience:

IBM - Senior Software Engineer (January 2020 - Present)

- Promoted to Senior Software Engineer in recognition of exceptional performance and leadership skills.
- Led architectural improvements to Provider Workbench, optimizing performance, scalability, and maintainability through the implementation of best practices and innovative solutions.
- Successfully integrated Provider Workbench with multiple Content Management Systems (CMS), including Drupal and Adobe Experience Manager (AEM), ensuring seamless data exchange and content synchronization.
- Played a key role in migrating legacy systems to microservice-oriented architecture, enhancing system flexibility and agility.
- Transformed the Common Translation Service (CTS) by integrating multiple translation providers at the request of business teams, optimizing costs and improving translation efficiency.
- Led the recent integration with Smartling, resulting in a significant cost reduction from an average of 20 cents per word to 12 cents per word for human translations and 5 hundredths of a cent per

character for machine translations.

- Achieved a remarkable reduction in turnaround time, with translations now delivered back to the source within approximately 5 minutes, compared to the previous average of 11 days.
- Led all repositories I worked on at IBM as the leading contributor.
- Led the decommissioning of several legacy parts of the Translation stack for CTS, including 2 UI repositories, and ensured that the whole process was fully automated end-to-end.

IBM - Software Engineer (July 2015 - December 2019)

- Joined IBM as a Software Engineer, contributing to the development and maintenance of various projects within the Digital Marketplace Team.
- Collaborated closely with cross-functional teams to define technical requirements, resolve complex issues, and prioritize development efforts in alignment with business objectives.
- Led the architectural design and implementation of RESTful APIs on Node.js for backend services, ensuring robustness, scalability, and security.
- Received accolades for contributions to the successful launch of Provider Workbench, a universal onboarding solution for IBM's digital marketplace.

Apple - Software Engineering Intern (May 2014 - August 2014)

- Position: Software Engineer, Interactive Media Group
- Developed Ruby-based analytical software as part of an Agile team, employing test-driven development principles for robustness and efficiency.
- Implemented map/reduce jobs to process raw data into usable data cubes, contributing to the development of big data structures.
- Collaborated closely with team members to ensure timely delivery of high-quality software solutions.

UNCW Technology Assistance Center Internship - Project Lead (May 2013 - August 2013)

- Position: Project Lead
- Led a team of four in developing Java versions of Jeopardy and Who Wants to Be a Millionaire, aiding in the training of new workers.
- Designed and developed a web-based reference application using HTML and CSS to assist employees in troubleshooting, which remains in use at the help desk.
- Conducted weekly status meetings to ensure project progress and equitable distribution of work among team members.

UNCW Technology Assistance Center Student Worker (2012 - 2015)

- Provided technical support to UNCW's student body, faculty, and staff, offering assistance with macOS, Windows, and troubleshooting.
- Utilized Remedy and Wendenia's POB ticketing software to log and track technical issues, ensuring timely resolution and effective communication.

Volunteering/Outreach:

- **Mentor, UNCW Technology Assistance Center Internship Program (2019-2020)**
 - Mentored a student worker in developing an analytics tool as part of the internship program at UNCW's Technology Assistance Center.

- **Guest Speaker, University of North Carolina at Wilmington**

- Delivered several talks to Computer Science undergraduates on topics related to career preparation and transitioning to the workforce after graduation.

Education:

- Bachelor of Science in Computer Science (Concentration in Business), University of North Carolina at Wilmington, 2015
 - GPA: 3.49
- Unix/Linux System Administration Certification 2011 (O'Reilly School of Technology/University of Illinois)

Honors and Awards:

- 2023 Productivity Catalyst Award
- 2019 Unite to Get It Done Now Award (IBM)
- 2016 Unite to Get It Done Now Award (IBM)
- 2015 UNCW Senior Medallion Nomination
- 2015 April Varsity Award (UNCW Technology Assistance Center)
- 2014 March Employee of the Month (UNCW Technology Assistance Center)
- 2013 Member of UNCW Student IT Advisory Council
- 2013 Certificate of Innovation Award (UNCW Technology Assistance Center)
- 2012 Fall Best customer feedback award (UNCW Technology Assistance Center)