Ammar Barafwala
Senior Full Stack Engineer
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SUMMARY

Versatile and technically proficient Senior Full Stack Engineer with 6+ years of experience designing and delivering scalable, maintainable web applications end-to-end. Skilled in building cloud-native systems, microservices, and seamless API integrations using modern Java frameworks on the back end and responsive front-end technologies like Angular, Typescript and JavaScript. Adept at collaborating across teams, mentoring peers, and aligning software architecture with business goals. Passionate about engineering excellence and continuous improvement. Actively building toward a Principal Engineer role by expanding full stack leadership, influencing architectural direction, and fostering innovation across the stack.

TECHNICAL SKILLS

- **Programming Languages**: Java, JavaScript, TypeScript, Python, Haskell
- **Web Technologies**: HTML, CSS, Java Servlet, REST API, JSP, JSTL, jQuery, Ajax, Web Sockets, GraphQL
- **Frameworks**: Hibernate, Spring, Spring Boot, Node.js, Express, Vue.js, Angular, AngularJS, Google Guice, Android, Docker, Kubernetes, Jenkins CI/CD, ReactJS
- **Testing Frameworks**: Mockito, TestNG, JUnit, Jasmine, PyUnit
- **Databases**: MySQL, SQL, NoSQL, MongoDB
- **Version control**: Git, Mercurial
- **Other**: Agile Development, JSON, XML, JSON Web Token, Java Persistence API (JPA), Apache Tomcat, BPMN

EXPERIENCE

NEC Corporation of America | Contract | Remote
Senior Full Stack Engineer   **April 2023 - Present**

- Upgraded and enhanced 7+ NEC developed applications across diverse technology stacks, improving system performance by 20%, maintainability, and user experience, leading to a 15% reduction in reported bugs.
- Collaborated with product stakeholders in end-to-end design discussions to architect scalable and maintainable software solutions aligned with business goals, resulting in 30% faster feature delivery.
- Designed and implemented configurable attributes, enabling dynamic, client-specific project customizations and significantly improving delivery timeline by 25% accelerating client onboarding by 3 weeks on average.
- Rapidly mastered a new product domain within 2 months, delivering mission-critical customizations that contributed to the success of 4+ client projects, increasing client satisfaction scores by 15%.
- Co-led cross-functional efforts with Product and QA to deliver 3 major releases per year, achieving 100% on-time delivery and meeting all performance benchmarks.
- Diagnosed and resolved complex software issues, enhancing system reliability and reducing incident response times by 40%, minimizing downtime.
- Investigated and addressed production issues reported by users, delivering timely fixes that improved user satisfaction by 20% and platform stability.

Full Stack Engineer Team Lead   **May 2021 - April 2023**

- Led the design and architecture of scalable software systems in a high-tech environment, ensuring alignment with business objectives and improving system efficiency by 30%.
- Guided and mentored team members, fostering continuous skill development and promoting best engineering practices in clean code, scalable design, and effective problem-solving, resulting in a 20% improvement in code review turnaround time.
- Led a cross-functional team of 5 engineers in designing, developing, and deploying scalable web applications, resulting in a 35% increase in platform performance and 25% boost in user engagement.

- Collaborated with Project Managers and QA Engineers to define requirements and deliver features ahead of schedule, completing 90%+ of sprints on time using Agile methodologies.
- Researched and introduced new technologies and methodologies, leading to the adoption of tools and practices that improved development speed by 15% and reduced technical debt.

Full Stack Engineer   **May 2020 - May 2021**
- Configured ADFS with custom rules and developed a secure login system using LDAP authentication, enabling seamless authentication for internal and external users.
- Implemented SAML-based authentication to support login across 2 independent systems, maintaining consistent session data and improving cross-system user experience.
- Collaborated with cross-functional teams to explain and integrate library updates, implementing requested changes to meet team-specific needs, leading to a 30% increase in adoption and improved developer efficiency.
- Implemented software design best practices, increasing system reliability by 40% and reducing maintenance overhead by 25%.

Technologies used: Java, Spring, Hibernate, AngularJS, JavaScript, ADFS, LDAP, SAML Authentication, Docker, HTML, CSS, Git, Mercurial, MySQL, MongoDB, Node.js, BPMN, Kubernetes, Azure CI/CD

Google | Contract | Mountain View, CA   **Jan 2019 - May 2020**
Full Stack Engineer
- Worked on Google's internal website which provides services to support management and tracking of hardware.
- Reduced server response time from 9 seconds to 1 second by implementing efficient server-side pagination, enhancing overall application performance and user experience.
- Contributed to common internal libraries used across 5 different projects by adding more features and functionalities while still maintaining old features.
- Reduced code redundancy by 10% by implementing dynamic form creation system which uses database mappings to get all form question for a request type.
- Designed and constructed APIs to be called and used by at least 2 different applications.

Technologies used: Java, TypeScript, Google App Engine, Angular, Hibernate, Protocol Buffers, MySQL, HTML, CSS, Jasmine, Junit, Mockito, Git.

EDUCATION

California State University, Los Angeles   **Aug 2018**
- *Master of Science, Computer Science*
- **Coursework**: Data Structures, Algorithms, Advanced Web Technologies, Machine learning, AI.

University of Mumbai, India   **May 2015**
- *Bachelor of Engineering, Computer Engineering*
- **Coursework**: Java, Object oriented programming, Operating Systems, Database Systems.

ACHIEVEMENTS

- **1st Place**, Ultimate Coders – Zephyr 2013 (Thakur College of Engineering, Java).
- **4th Place**, Code Mania 2013 – National Java Coding Contest (Amdocs, India).
- **103rd Place**, CodeVita 2014 – Global Programming Contest (Tata Consultancy Services).
- Frequent participant in coding contests on **HackerRank, LeetCode, and CodeChef.**

INTERESTS

- Story driven and competitive games (e.g., PUBG, Death's Door, Hollow Knight, Dead Cells, Tomb Raider, etc.).
- Learning Game development (currently focusing on 2D games)
- Learning new spoken languages and cultures (currently learning Japanese)