# Aakash Sarang

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## SUMMARY

Results-driven and self-motivated software engineer with over 3 years of experience designing robust, production-ready web applications. Well versed in many aspects of web application development including architecture, CI/CD, testing, SEO, and tracking. Experienced in working with stakeholders and coordinating with multiple teams to deliver critical projects. Collaborator, team player, and always committed to going the extra mile to deliver outstanding results.

## EXPERIENCE

**2018 - current**

### Software Engineer

**Ancestry.com**

- Led multiple key projects through the complete software development lifecycle, from architecture design and implementation to product launch and post-release analysis.
- Identified opportunities to improve core web vitals for key pages which resulted in more than 50% improvement in overall performance index and a threefold increase in organic traffic.
- Analyzed applications for cost reduction opportunities and successfully implemented solutions that decreased operational cost by more than $20,000 anually.
- Recognized at org level for leading customer facing products including but not limited to single page apps with excellent user experiences that outperformed expectations of user engagement by more than 20%.
- Developed automated solutions for legacy applications which improved testing efficiency, reduced application tech debt, and continues to save dozens of developer hours per month.
- Transitioned legacy applications to Harness CI/CD platform, which enabled seamless automated deployments and reduced the potential for human error.
- Increased number of pages indexed by Google by 25% by implementing structured data and identifying and mitigating issues with sitemaps.
- Devised service utilizing AWS Lambda, AWS Neptune, Kafka, and SQL to efficiently search through multiple complex datasets comprising over 700 million records.
- Implemented bulkheading and autoscaling for services to ensure high bursts of bot traffic did not affect customer experience.

**2018 - 2018**

### Software Development Technical Instructor

**App Academy**

- Mentored students in developing full-stack applications and conducting code reviews.
- Oversaw development of internal applications that were used by students to measure progress and receive feedback on code.

## EDUCATION

**2015 - 2017**

### MS in Electrical Engineering (Chip Programming and Machine Learning)

**San Jose State University**

**2011 - 2015**

### Bachelor of Engineering in Electrical Engineering

**Gujarat Technological University, Gujarat, India**

## SKILLS

**Tools:**  React/Redux, Javascript, Ruby on Rails, HTML, CSS, Terraform, Docker, Webpack, Postman, AJAX, Kafka, Lighthouse, Neptune, Git

**Designs:**  SQL, Graph databases, Document databases, REST APIs, Microservices, Object Oriented Programming, Test Driven Development, Frontend, Backend, System Design

**Platforms:** AWS, New Relic, Google Search Console, Harness, Adobe Experience Manager, Node.js, Kubernetes, Jenkins, Linux, Mixpanel, Mapbox GL

**Other:**  Certified AWS developer, A/B testing, Unit testing