

## Case Study: Software Engineering

With our resume editing and support, Akshay (name fictionalized) got a Software Engineering job at Amazon.

»»» Here's what he had to say about our work:



[Redacted] · 2nd

Software Development Engineer II at Amazon  
Lab126

[Redacted] was Fatemah's client

There are a very few people who "care" and want you to succeed. Even though the job of Fatemah was just to make my resume stand out. She not only made my resume stand out but also went beyond and offered assistance for job hunt. She would continuously follow up to offer help in anyway. I highly recommend Fatemah to everyone who needs a mentor, a friend, a motivator and a well-wisher in their journey towards getting a job.

## **Akshay's backstory:**

Akshay came to us when he was pursuing his Master's in Software Engineering. He had applied for over 300 jobs but had no luck.

At first glance, his resume looked all right with no glaring issues. However, it lacked critical keywords and had some structural and formatting issues. The language wasn't impactful either.

## **Here is what we did:**

- 1 Used an ATS-friendly format, vetted by 3000+ recruiters.
- 2 Weaved relevant keywords throughout the resume.
- 3 Emphasized his achievements using a results-first approach.

## **Where is Akshay now?**

Soon after working with us, Akshay got a Software Development internship at Amazon. After his Master's, he secured a full-time role as a Software Development Engineer I.

Akshay currently works as a Software Development Engineer II at Amazon.

**Warning:** The following pages have been saved as images in order to protect Akshay's work as well as our work from being copied and indexed. As a result, uploading this exact file into an Applicant Tracking System will not work. **If you are interested in hiring him, please email us at [contact@careertuners.com](mailto:contact@careertuners.com).**

# Here's his resume after editing:

## Akshay Rao

Software Development | Machine Learning | Full-Stack Web Development | Database Programming | Project Planning & Execution

951.284.5404 | [contact@careertuners.com](mailto:contact@careertuners.com) | Irvine, CA 92618 | [LinkedIn](#) | [GitHub](#)

An aspiring Software Engineer leveraging expertise in software design, development, and testing to deliver cutting-edge technology projects. Built solid foundation of programming languages and web technologies such as Python, JavaScript, Java, C, C++, Node.js, React JS, Redux, Restful Web Services, HTML5, CSS3, ES6, and AngularJS. Served as the youngest member of the Center of Excellence team at Cognizant Technology Solutions, driving critical application performance enhancements.

### Education

**MS Software Engineering**, San Jose State University Expected 2020

**Engineering Courses:** Enterprise Application Development, Enterprise Distributed Systems, Enterprise Software Overview.

**BE Computer Science**, MVSR Engineering College 2015

**Databases & Frameworks:** MySQL, MongoDB (NoSQL), Oracle, SQLite, PostgreSQL, AngularJS, Express, ReactJS, NodeJS, Flask.

### Engineering Projects

**Movie Central Project** 2018

Enabled rapid movie browsing and portal options by developing an end-to-end application that allowed users to pay per view and per subscription. Drove 70% search efficiency by implementing the Spring Boot specification API as a layer on the Spring Criteria API for building dynamic queries. Tools used: ReactJS, Spring Boot, Java, Amazon RDS, MySQL, Java Persistence API, Maven, AWS.

**Admission Trends Project** 2018

Streamlined the admission process for prospective students by developing an app that provided detailed university information. Integrated support vector algorithm to recommend universities and used Chart.js to indicate real-time university statistics. Tools & Technologies used: ReactJS, JavaScript, Node.js, HTML5/CSS3, MongoDB, jQuery, Machine Learning.

**Baby Blockchain Project** 2018

Ensured seamless manufacturer and retailer transactions by developing an app using blockchain. Improved data consistency while reducing replication time by 12% by designing an efficient consensus algorithm for recent transaction replication across multiple servers. Technologies: Python, flask, HTML5/CSS3, JavaScript, jQuery.

**Job Search and Hire Website Project** 2018

Developed a distributed application with key features including post project progress, bidding, freelancer hiring, profile changes, and stakeholder transactions. Improved server performance by 14% by designing an advanced connection pooling algorithm. Used Kafka as a messaging queue with multiple partitions for fault tolerance. Technologies: MongoDB, ReactJS, ExpressJS, Redux, Node.js, AWS.

**Free Range Incubator Project** 2018

Provided an inclusive feedback platform for innovators and investors by developing a Fastrack platform. Allowed role-based access control, differentiating admin control among users; integrated GitHub to enable investors to look at key product prototypes. Technologies: AngularJS, JavaScript, ExpressJS, PassportJS, Node.js, HTML5/CSS3, MongoDB.

### Professional Experience

**Software Engineer, Cognizant Technology Solutions** 12/2015 – 12/2017

- Streamlined patient history and progress tracking by developing a novel healthcare-based application for United Health Group Hospitals; Technologies: Pega, Java, HTML5/CSS3, JavaScript, SQL, Python, Django and Flask
- Cut down billing time by 480 hours per year by designing an automated note deleting components for the billing system; received the Excellence Award for contributing to key process improvements.
- Mitigated back-end performance issues by reducing database hits and retrieval time by approx.30%; cached data in Data Pages.

# And here's the resume he was using before he worked with us...

## Akhshay Rao

951.284.5404 | [contact@careertuners.com](mailto:contact@careertuners.com) | Irvine, CA 92618

<https://www.linkedin.com/company/careertuners/> | <https://github.com/mndcnjdnc>

### OBJECTIVE

- Seeking Software Engineering Intern at COMPANY wherein I can provide optimal solutions to real time challenges by utilizing my quick learnability and passion towards making a better tomorrow.

### EDUCATION

- **San Jose State University:** M.S in Software Engineering - Graduation - DEC 2019.
- **MVSR E C, India:** Bachelor of Engineering in Computer Science, Graduated June 2015.

### TECHNICAL SKILLS

- Programming Languages: Python, JavaScript, Java, C, C++.
- Web Technologies: Node.js, React JS, Redux, Restful Web Services, HTML5, CSS3, Bootstrap.
- Frameworks: Spring, Spring Boot, Express, Junit, MochaJS, Passport.js, Flask, Django.
- Databases: MySQL, MongoDB (NoSQL), Oracle, SQL, SQLite, PostgreSQL.

### WORK EXPERIENCE

#### **Software Engineer - Cognizant Technology Solutions**

**Dec2015 – Dec2017**

- Developed a healthcare-based application which enabled hospitals to keep track of patients' medical histories and statuses.
- Received Excellence Award for designing agents to automate the deletion of patient notes which reduced 480 hours/year of billing.
- As the youngest member of Centre of Excellence team, mitigated backend level performance issues by reducing database hits and retrieval time by 10-15% by caching data in Data Pages.
- Technologies used included Pega, Java, HTML5/CSS3, JavaScript, SQL, Python, Django and Flask.

### ACADEMIC PROJECTS

#### **Movie Central**

**August 2018 – December2018**

- Developed an end to end application which enabled movie browsing and viewing portal allowing users to pay per view or subscribe.
- Implemented Spring Boot Specification API, a layer over Spring's Criteria API, for building dynamic queries, which made searching movies 70% efficient.
- Technologies: ReactJs, Spring Boot, Java, Amazon RDS, MySQL, Java Persistence API.

#### **Admission Trends**

**August 2018 – December2018**

- Developed an application which provides university details, stats and reviews to prospect students.
- Integrated Support Vector Algorithm with RMSE of 9% to recommend universities and used Chart.js to optimally render real time university statistics.
- Technologies used included ReactJs, JavaScript, Node.js, HTML5/CSS3, MongoDB, jQuery, AJAX.

#### **Baby Blockchain**

**Jan2018 – May 018**

- Developed an application which enabled transactions between manufacturer and retailer via blockchain.
- Designed an efficient consensus algorithm to replicate most recent transaction over multiple servers which ensured data consistency thereby reducing replication time by 10-12%.
- Technologies: Python, Django, HTML5/CSS3, JavaScript, PostgreSQL, ConsensusAlgorithm, blockchain.

#### **Job Search and Hire Website**

**Jan2018 – May 2018**

- Developed a distributed application which implemented features like post project, place bid on a particular project, hire freelancer, profile changes and transaction between parties.

**Its formatting was problematic and it went on to a second page with minimal text...**

- Designed an efficient connection pooling algorithm which enhanced the performance of the server response by 12-14%. Used Kafka as a messaging queue with multiple partitions for fault tolerance.
- Technologies used included MongoDB, ReactJS, ExpressJS, Redux, MySQL, Kafka, NodeJS, AWS.



# Would you like us to edit your resume, too?

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