

# AKSHAY CHAVAN

4YoE | Full Stack Software Engineer | Building scalable and data-driven web applications

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## Education

**Khoury College of Computer Sciences, Northeastern University**

*Master of Science in Computer Science*

**Sep 2023 – May 2025 (Expected)**

*Boston, MA*

**Savitribai Phule Pune University**

*Bachelor of Engineering in Computer Engineering*

**Aug 2016 – Jun 2019**

*Pune, MH, India*

## Technical Skills

**Languages:** Java, Python, C/C++, JavaScript, TypeScript, Ruby, HTML, CSS

**Developer Tools:** VS Code, Postman, Git, Bitbucket, GitHub, Docker, Google Cloud Platform, AWS, Jira

**Frameworks:** Angular, AngularJS, React, Node.js, Express.js, Ruby on Rails, JUnit, JEST, Microservices

**Databases:** PostgreSQL, SQL, MySQL, MongoDB, Redis, Firestore, PostgreSQL, SQLite, Mongo, SQL Server, NoSQL

**Others:** API Development, REST, JSON, Code Review, Agile development, Quality Assurance, Android App Development

**Certifications:** Google Cloud Certified - ◦ Professional Cloud Developer ◦ Associate Cloud Engineer ◦ Cloud Digital Leader

## Experience

### PriceLabs

*Full Stack Engineer*

**Oct 2022 – Aug 2023**

*Chicago, IL, United States (Remote)*

- Led and managed a cross-functional team of 8 developers in the end-to-end development of a Full Stack Application.
- Boosted the efficiency of the Dynamic Pricing mechanism by 25% through the development of an optimized workflow, resulting in 40% reduction in UI interactions and an increase in overall customer satisfaction by 8%.
- Orchestrated seamless integration of Zoho SalesIQ chat, leveraging a keen understanding of user interactions. Implemented user data capture and context-driven ticket pre-population, resulting in a 20% acceleration in efficiency. Demonstrated effective collaboration and communication for a streamlined user experience.
- **Technologies:** Ruby on Rails, Javascript, React, Ruby, jQuery, Bootstrap, MySQL, Redis, Minitest, Git, Bitbucket.

### Quantiphi

*Software Engineer - Fullstack*

**Jul 2021 – Oct 2022**

*Mumbai, MH, India*

- Conceptualized and built a comprehensive software solution powered by machine learning, achieving a 90% detection rate for construction defects, cutting field technician risk mitigation time by 30%, and saving \$50,000 per project.
- Developed machine learning integrated Web and Android apps for speech analytics, KPI forecasting, and real-time agent feedback, fully automating customer service calls across multiple businesses, slashing operational costs by 70%.
- Designed and executed a robust transactional mechanism for seamless data synchronization between Firestore and MySQL databases, achieving a 98% reduction in data sync errors and boosting application reliability by 30%.
- **Technologies:** React, Angular, NodeJS, Typescript, Express.js, Android, Java, Redis, Firestore, MongoDB, GCP, Git.

### FinIQ Consulting India

*Software Developer*

**Jul 2019 – Jul 2021**

*Pune, MH, India*

- Spearheaded the design and implementation of high-performance structured trading applications for leading banks in Asia, including Bank of China and UBS, contributing to a monthly revenue of over \$1 million in an Agile environment.
- Revamped backend processes and optimized code for multiple software products, resulting in a remarkable 15% performance boost and a 20% reduction in maintenance overhead.
- Implemented a robust CI/CD pipeline for a large-scale web app, reducing deployment time by 80% and enhancing release reliability through rigorous testing.
- **Technologies:** Angular, NodeJS, Typescript, Javascript, Express.js, Android, Java, MySQL, Git, Bitbucket, Postman.

## Internships

**Carnegie Mellon University** *Research Intern | Pittsburgh, PA, United States*

**Sep 2020 – Feb 2021**

- Optimized preprocessing pipelines for Cryo-EM images using VGG-16, ResNet, and Vision Transformers, achieving a 5% improvement in feature extraction and classification accuracy compared to previous methods.

**The Sparks Foundation** *Mobile Application Developer Intern | Singapore*

**Nov 2020 – Dec 2020**

- Engineered high-performing Android apps using Android, DBBrowser, and SQLite along with mentoring peers.

**FinIQ Consulting India** *Software Engineer Intern | Pune, MH, India*

**May 2018 – Jun 2018**

- Led cross-functional teams in developing a key web feature using Angular, MySQL, NodeJS, and .Net, driving a significant 20% boost in user engagement. Demonstrated strong problem-solving, analytical skills, and effective communication while taking ownership for impactful results.