Akshay Chavan

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

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Education

Khoury College of Computer Science, Northeastern University   Sep 2023 – Dec 2025(EXP)
Master of Science in Computer Science   *Boston, MA*

Savitribai Phule Pune University   Aug 2016 – Jun 2019
Bachelor of Engineering in Computer Engineering   *Pune, MH, India*

Maharashtra State Board of Technical Education   Jun 2013 – Jun 2016
Technical Diploma in Computer Technology   *Mumbai, MH, India*

Technical Skills

Languages: Java, Python, C++, JavaScript, TypeScript, Ruby, C#, C, HTML5, CSS3, Data Structures, Algorithms
Developer Tools: VS Code, Postman, Git, Bitbucket, WSL, Docker, Kubernetes, Google Cloud Platform, Android Studio
Frameworks: Angular, React, Node.js, Express, Ruby on Rails, jQuery, Flask, Django, REST API, JUnit, Microservices
Certifications: Google Cloud Certified - ∘ *Professional Cloud Developer* ∘ *Associate Cloud Engineer* ∘ *Cloud Digital Leader*

Experience

PriceLabs   Oct 2022 – Aug 2023
Fullstack Engineer   *Chicago, IL (Remote)*
- Boosted the efficiency of 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%.
- Integrated Zoho SalesIQ chat, capturing user details and using logged-in user context to pre-populate ticket data for 20% faster ticket handling.
- Engineered an automated localization process that completely eliminated the need for manual intervention, resulting in 100% reduction in errors and significantly reducing the turnaround time.
- **Technologies:** Ruby on Rails, Javascript, React, Ruby, jQuery, Bootstrap, MySQL, Redis, Minitest, Git, Bitbucket.

Quantiphi   Jul 2021 – Oct 2022
Software Engineer - Fullstack   *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   Jul 2019 – Jul 2021
Software Developer   *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.
- 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*   Sep 2021 – Feb 2022
- 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 2021 – Dec 2021
- Built Android apps using Android, DBBrowser, and SQLite, mentoring peers to boost team productivity.

FinIQ Consulting India *Software Developer Intern | Pune, MH, India*   May 2018 – Jun 2018
- Collaborated with cross-functional teams to develop a web application feature using Angular, MySQL, NodeJS, and .Net, resulting in 20% boost in user engagement.