

# Keya Shah

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## SUMMARY:

Software Developer with 3+ years of experience building full-stack web applications, secure APIs, and real-time systems. Skilled in React.js, Flask, Java, Spring Boot, Next.js, PostgreSQL, MySQL, and AWS. Proven expertise in Docker, Kubernetes, CI/CD, WebSockets, OAuth2, JWT, and data visualization. Adept in agile collaboration, testing, and cloud deployment using GitLab CI/CD, Jenkins, Terraform, Cypress, and Chart.js to deliver scalable, high-performance software across diverse industries.

## EDUCATION:

**Master of Science in Computer Science** | *The University of Texas at Arlington*

**Aug 2022 - May 2024**

**Bachelor of Engineering in Computer Engineering** | *Gujarat Technological University*

**Aug 2018 - Jun 2022**

## SKILLS:

- Frontend Development:** React.js, Next.js, JavaScript (ES6+), Typescript, HTML5, CSS3, Bootstrap, Tailwind CSS, jQuery, EJS, React Hooks, JavaFX, Chart.js, DOM Manipulation, NPM, Figma
- Backend Development:** Python, Flask, Django, FastAPI, Spring Boot, Node.js, Express.js, Servlets, JSP, RESTful APIs, WebSockets, JWT, OAuth2, Session Management
- Database Management:** PostgreSQL, MySQL, DynamoDB, SQLAlchemy, JDBC
- Cloud & DevOps:** AWS (EC2, S3, RDS, Lambda, API Gateway, CodePipeline, CloudWatch, Auto Scaling), Docker, Kubernetes, Terraform, Nginx, Cloud Hosting
- CI/CD & Version Control:** Git, GitHub, GitLab, Bitbucket, Jenkins, GitLab CI/CD, Maven, CircleCI
- Testing & Security:** JUnit, Mockito, Selenium, TestNG, PyTest, Cypress, Postman, Swagger, SSL/TLS, Role-Based Access Control (RBAC), OAuth2
- Project & Agile Tools:** JIRA, Confluence, Agile/Scrum, Notion, Trello, Slack

## EXPERIENCE:

**Software Developer | Stronghold Investment Management | Remote**

**Jan 2024 – Present**

- Developed a real-time stock market tracker using Next.js, React (Hooks, Redux Toolkit), and Tailwind CSS, creating a responsive and reusable component library for seamless user experiences across devices.
- Engineered interactive data visualizations with Chart.js, including candlestick charts, and implemented WebSockets/Socket.io for real-time stock price updates, enhancing data accuracy and user engagement.
- Built a secure backend using Flask, JWT, and OAuth 2.0 for role-based access control, integrating with PostgreSQL optimized via indexing and query tuning to reduce response time by 25%.
- Deployed the platform on AWS (EC2, S3, Lambda) using Docker, Kubernetes, and GitLab CI/CD, enabling scalable, zero-downtime releases through automated pipelines.
- Improved test reliability and code quality with React Testing Library, Cypress, and Postman, maintaining 90%+ test coverage and reducing production issues significantly.

**Software Developer | Sun Software | Surat, GJ, India**

**Jan 2021 - Aug 2022**

- Developed an Inventory Management System with a Java-based backend using Servlets, JSP, and JDBC, ensuring smooth product management, order processing, and stock updates.
- Designed a responsive frontend using HTML, CSS, JavaScript, and Bootstrap, enabling real-time stock updates and dynamic product search with simple filtering options.
- Implemented user authentication using session management with HTTP cookies, ensuring secure access control without complex authentication frameworks.
- Used MySQL as the database, optimizing queries for faster product searches and order processing while ensuring data consistency.
- Developed REST-like endpoints using Servlets and JSP, allowing efficient data exchange between the frontend and backend.
- Performed manual testing along with basic JUnit tests for key functionalities, ensuring system reliability.
- Deployed the system on Apache Tomcat with basic Linux server configurations, ensuring stable hosting and smooth operations.

**Software Developer | Caps World Systems | Vadodara, GJ, India**

**Jan 2020 - Jun 2020**

- Developed an E-commerce platform with cross-functional teams in Agile sprints, gathering requirements and implementing key features, reducing project delivery time by 25% while improving user experience.
- Designed an interactive user interface using Java Swing, incorporating features like real-time product filtering and personalized recommendations to enhance user engagement.
- Built backend services using Java and Spring Boot, developing RESTful APIs for inventory management, user authentication, and order processing, improving system efficiency.
- Implemented user authentication with role-based access using JWT and integrated secure payment processing.
- Used MySQL for data storage and optimized queries to improve response times.
- Wrote unit tests with JUnit and automated builds using Maven. Configured Jenkins pipelines for continuous integration, reducing deployment time by 40% in non-cloud environments.

## PROJECTS:

**Academia Hub** (HTML, CSS, ReactJS, Laravel, MySQL, PHP, JWT, WebSocket)

[Web-Development-Project](#)

- Developed a secure educational platform with real-time chat and auth, improving communication between students and instructors.

**Movie Recommendation System** (Python, LSTM, RNNs, Tweepy, TensorFlow, Numpy, Pandas)

[Machine-Learning-Project](#)

- Implemented AI-based sentiment analysis for movie recommendations, achieving 94% accuracy on static and live datasets.

## CERTIFICATIONS:

[REST APIs with Flask and Python](#) | **Udemy:** Flask, RESTful API Development, SQLAlchemy, ORM, JWT Auth, AWS, PostgreSQL

[Web Development Bootcamp](#) | **Udemy:** JavaScript ES6, Node.js, Express.js, React.js, DOM Manipulation, jQuery, NPM, EJS, React Hooks

[Back-End Developer](#) | **Meta:** Python, Linux commands, MySQL, Django, RESTful APIs, HTML5, CSS3, JavaScript, Bash, Cloud Hosting, Testing