# Kaushik Gangireddy

Software Engineer | Backend Developer | Full-Stack Developer

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## SUMMARY

Software Engineer with hands-on experience in **full-stack development and backend engineering.** Proficient in **Java, Python, and JavaScript**, with expertise in **building scalable applications,REST API development and database management**. Passionate about **cloud technologies** and currently expanding expertise in **AWS**.

## SKILLS

Languages : Java,Python, JavaScript
Web Backend : REST API,Node.js,React.js,HTML, CSS
Database : SQL, PostgreSQL, NoSQL
Cloud & DevOps : AWS, Google Cloud, **Docker, Kubernetes, CI/CD (Jenkins, GitHub Actions)**
Testing & Automation : Selenium, Cucumber, Jest, Cypress,Postman
Data Visualization : Power BI
Tools & Methodologies : Git, GitHub, Agile, Scrum,Test-Driven Development, Jira, Confluence

## EDUCATION

**Master of Science in Computer Science**, Lewis University, Romeoville, IL,      GPA: 3.22     Aug 2023 - May 2025
**Bachelor of Engineering in Computer Science**, SRM Institute of Science and Technology    GPA: 3.24     June 2018 - May 2022

## WORK EXPERIENCE

**Software Test Engineer,** AnywhereWorks Inc. Sep 2022 - July 2023 •
- Automated automation test scripts using **Cucumber & JavaScript**, **reducing manual testing efforts by 60%**.
- Conducted **functional and regression testing**, identifying critical defects and improving product quality.
- Collaborated with **cross-functional teams** to enhance software reliability and performance.

**Software Testing Intern,** AnywhereWorks Inc. June 2022 - August 2022 •
- Execute**d manual & automation tests** using Selenium & JavaScript, improving **test coverage by 90%**.
- Developed test cases for web applications and worked closely with developers to resolve defects.

**Software Engineer Intern,** Gainup • Jan 2022 - Mar 2022
- Developed 5+ **Power BI dashboards**, reducing reporting time by 40% and improving business insights.
- Optimized reports to enhance **decision-making and data visualization**.

## ACADEMIC PROJECTS

**Blockchain-Based Digital Identity System:** Developed a decentralized identity verification system using Ethereum blockchain and Solidity, ensuring **secure, tamper-proof** identity storage. Deployed smart contracts to prevent identity fraud (75% reduction).•
**Crypto Price Prediction Model:** Built a **machine learning model** using **Python and TensorFlow** to predict **cryptocurrency price trends.** Integrated market trends & sentiment analysis, achieving 80% accuracy •
**Decentralized Voting System:** Designed a **secure and transparent voting system** using **Solidity and Web3.js**. Implemented **immutable smart contracts** for **fraud-proof election processes**.•

## COMMERCIAL PROJECTS

**Automated Testing for Lead Generation Websites:** Tested lead-generation platforms like AnswerConnect.com, automating tests with Selenium, Cucumber, and JavaScript, reducing manual effort by 60%.
**Centralized Signup & Payment Module Testing:** Ensured secure and seamless **user onboarding** by automating **functional**, **regression**, **and API testing** with **Postman & Cypress**, improving **checkout reliability**.
**API Testing and Monitoring for Web Services:** Automated **REST API testing** using **Postman and Jest**, ensuring 99.9% uptime and secure integrations across environments.

## ACHIEVEMENTS

• **Blockchain Enthusiast** - Gained hands-on experience in **smart contracts, DApps, and crypto technologies**.
• **Hackathon Participant** - Competed in **multiple hackathons**, building innovative projects in **web dev, automation & analytics**..