

# Kunj Shah

## Full Stack Developer

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### SUMMARY

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- 3+ years of experience as a full-stack developer in the development, implementation, and troubleshooting of various web-based applications.
- Knowledge of the Software Development Life Cycle (SDLC), Agile, and Waterfall Methodologies, and sprint planning.
- Skilled in programming languages (Python, JavaScript, TypeScript, Java), frameworks (React, Node.js, Flask), and cloud services (AWS, Google Cloud). Well-versed in the development of Restful web services/APIs using the Node.js framework building cross-functional applications.
- Working Knowledge of web development with HTML5, CSS, JavaScript, JSON, and Ajax.
- Proficient in consuming RESTful services to exchange (request) information with databases such as Oracle, MySQL, and MongoDB.

### EDUCATION

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**Master's in Computer Science** | California State University, Northridge Los Angeles, CA, USA. | Sep 2021 – May 2023

**Bachelor's in Computer Science** | MIT ADT School of Engineering Pune, MH, India. | Aug 2017 – Jun 2020

**Diploma in Computer Science** | SVKM's Shri Bhagubhai Mafatlal Polytechnic | Jul 2014 – June 2017

### SKILLS

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**Languages:** Python, JavaScript, TypeScript, Java, C++, Embedded

**Frameworks/Libraries:** React.JS, Node.JS, Redux-Saga, React Native, Next.js, Flask, Django, Scikit-learn, Numpy, OpenCV, Matplotlib

**Web Technologies:** HTML, CSS, jQuery, JSON, Ajax, Bootstrap, React-Redux, GraphQL, Pub/Sub, Scaling, System Design

**Databases:** MongoDB, MySQL, Oracle, PostgreSQL, Cosmos, Data sharding

**Dev Tools:** Git, UML, AWS, Google Cloud, Tensorflow, Docker, Terraform, Kubernetes, Prometheus, Postman, Elasticsearch, Sentry, FFMPEG, ROS

### EXPERIENCE

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**Amazon** | Software Engineer II - Full-time | Seattle, WA, USA May 2025 – Present

- Migrated 3+ legacy Slapshot Contracts to serverless AWS Lambda architecture, utilizing shadow testing and phased traffic dial-up to achieve 100% data parity with zero downtime.
- Implemented field-level security controls across distributed services to enforce the Principle of Least Privilege, reducing users with sensitive data access by 90% through manager approval workflows.
- Improved CI/CD pipeline reliability by migrating to higher-capacity instance type, eliminating frequent on-call incidents from memory exhaustion.
- Built integration and end-to-end test suites for AI chat APIs, improving reliability, coverage, and reducing production defects.

**Medtronic** | Software Test Engineer II - Full-time | Northridge, CA, USA Nov 2023 – Apr 2025

- Provided critical support to the SEIT (System Integration) team, ensuring smooth integration and operation of systems, firmware, and tools.
- Led and managed technical tasks, taking ownership of key initiatives to integrate RkTracer into the testing framework, improving code coverage analysis and enhancing debugging capabilities.
- Collaborated with the Failure Analysis (FA) team to investigate and resolve root cause issues by analyzing system logs.
- Developed, executed, and optimized test scripts and designs to validate system functionalities and ensure software quality.
- Designed and implemented a scalable regression test plan for farm setups, configuring these environments for continuous integration and deployment (CI/CD) through GitLab pipelines.
- Enabled local farm access for engineers to run manual and automated smoke tests, reducing time-to-test and improving overall efficiency in development and testing workflows.

**Sharper Shape** | Software Engineer - Internship | San Jose, CA, USA Jun 2022 – May 2023

- Integrated AWS CDK (EC2, S3, SNS, SQS, DLQ, Lambda) to automate bucket-triggered actions, reducing latency by 10% and improving system reliability.
- Implemented Slack SDK to streamline communication, improving response time by 60% after S3 events and Lambda failures.
- Developed an Amazon S3 Usage Report to define project scope, increasing client satisfaction by 20%.
- Built a React interface to upload CSV files to S3, reducing data processing time by 75% through Lambda automation.

- Designed CI/CD pipelines, decreasing time-to-deploy by 20% through automated integrations and releases.

**Expertrons | Software Developer - Full-time | Mumbai, MH, India**

Dec 2020 – May 2021

- Collaborated within a 6-member Agile team to develop a mobile app, front-end, and back-end using Node.js, React, React Native, and MongoDB.
- Employed FFMPEG for video compression, reducing front-end load time by 12% and bandwidth usage by 41%.
- Optimized MongoDB indexing and query performance, improving search speed and enabling data sharding.
- Set up AWS migration and built microservices, reducing infrastructure costs by 10%.
- Deployed Sentry for on-premises bug tracking, improving issue resolution and system stability.

**Nibodh | Full Stack Developer - Full-time | Mumbai, MH, India**

Jan 2019 – Nov 2020

- Implemented scalable web applications using MERN stack (MongoDB, Express, React.js Node.js) and HTML/CSS within a waterfall methodology, resulting in successful project delivery and client satisfaction.
- Leveraged Bootstrap, React.js, and Node.js to design and develop effective web interfaces, while ensuring high-quality and error-free software through comprehensive testing and debugging. Worked with Publish-subscribe (pub-sub) messaging for asynchronous communication.
- Architected and implemented REST API interfaces using JavaScript and Node.js, improving system performance and facilitating efficient data communication. Developed React.js client website screens/widgets, improving user experience and increasing retention by 15%.
- Utilized MySQL database for simple queries and stored procedures for normalization, improving database performance and data integrity.

**Geekwork | Back End Developer - Internship | Mumbai, MH, India**

Dec 2018 – Mar 2019

- Enhanced AGV mobility and collision avoidance by adeptly working with ROS, Dijkstra's algorithm, and the A\* algorithm for pathfinding.
- Skillfully integrated APIs including OneDrive, Google Drive, and Slack, promoting seamless communication and data sharing among team members and improving overall productivity.
- Devised an ETL process to proficiently extract data from cloud APIs, utilized Apache Tika for data processing, and securely stored the results in ElasticSearch.