

KULDEEP SINGH

MERN / Full Stack Developer
AWS Certified

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Full Stack Developer with 12 years of hands-on experience designing, developing, and implementing applications and solutions using a range of technologies and programming languages. Eager to leverage my technical skills, creativity, and passion for problem-solving to provide top-notch solutions that align with client needs and drive company growth.

SKILLS

- **Node js, Typescript**, Express Js, **Javascript, React Js**, Mongo DB, Mysql, Postgresql, Php, Playwright, Gen AI
- **REST API, AWS**, Lambda, Microservices, Serverless, AWS SQS, **Kafka**, Redis, OAUTH, **DSA**
- CI/CD, Docker, Jenkins, Github, Bitbucket, JIRA, Azure devops, Travis, **SOLID** design principle
- **AWS Certified Solution Architect**

PROFESSIONAL EXPERIENCE

Publicis Sapient

November 2023 - Till now

Lead Experience Engineer

- Accomplished a 40% reduction in loan eligibility decision time by implementing the Product Selector Tool (PST) microservice in Node.js/TypeScript, which improved the efficiency of customer onboarding.
- Spearheaded Kafka integration for asynchronous communication in the Card Auto Fulfillment Microservice, boosting transaction throughput by 40% and reducing end-to-end processing time.
- Engineered a lending Document Management microservice integrated with Thunderhead (for document generation), FileNet (for storage), and Adobe eSign (for electronic signature), which automated the lending document lifecycle and led to a 50% reduction in processing time.
- Delivered widely used customer-facing features in the General Insurance domain, enabling customers to access and amend policies without reliance on internet banking.

R Systems International ltd

July 2022 - November 2023

Project Leader

- Optimized scalability, reduced operational overhead, and enhanced application performance by utilizing Lambda functions and other cloud-native services in AWS serverless architecture.
- Led efforts to implement code quality tools and automated testing, reducing bug counts by 30% and accelerating development cycles.
- Actively participated in Agile/Scrum methodologies, conducting sprint planning, daily stand-ups, and retrospectives to drive project success and 33% improvement in product delivery speed.

Jeeves

January 2022 to June 2022

Software Engineer

- Developed user-centric feature ie. loans resulting in 65% increase in user engagement.
- Collaborated with cross-functional teams to design and implement new features, reducing development time and improving user experience.
- Optimized database query reducing application time by 73% and enhanced user satisfaction.

Infogain

November 2020 to January 2022

Senior Consultant

- Implemented microservices that can communicate with other microservices and execute various functions.
- Implemented back-end bindings and developed RESTful APIs for multiple services.
- Reduced software bugs by 80% through code review and testing, enhancing product reliability.

Revfin Services pvt ltd
Lead Software Developer

September 2018 to 30th October 2020

- Developed and Architected and multiple high-traffic fintech platforms, resulting in a 25% increase in annual revenue and providing seamless experiences to millions of users.
- Led a team of 5 engineers in design and development software, resulting in 55% increase in team efficiency rate.
- Designed and built RESTful APIs and WebSocket communication channels for real-time features, enhancing user engagement and interactivity.
- Implemented efficient database structures and optimized queries, resulting in improved application performance.
- Transformed UIs using React, decrease debugging time by 62% and increase view by 31%.

Equal Infotech
MEAN stack developer

September 2016 to August 2018

JRD Software pvt ltd
Software Developer

May 2013 to August 2016

PROJECTS

Lloyds Bank

November 2023 to April 2025

<https://www.lloydsbank.com/>

- Architected and managed a large-scale, event-driven lending platform for Lloyds Bank comprising over a dozen Node.js/TypeScript microservices on Azure; the system handles real-time product eligibility (loans, overdrafts, cards), pricing, documentation, and fulfilment workflows across the bank's loan portfolio.
- Integrated multiple enterprise systems (nCino for loan origination, Thunderhead for document generation, FileNet for document storage, ACBS core banking, and EPC+ pricing engine) to fully automate end-to-end lending workflows and ensure data consistency across the platform.
- Technology: Typescript, Mssql, Node js, Kafka, Azure, React js, Docker

Babson Diagnostics

July 2022 to September 2023

<https://www.babsondx.com/>

- Designed and developed a highly scalable platform that allows customers to easily book blood tests online and receive real-time updates at every step of the process.
- Integrate third-party payment gateways for secure transactions and integrated OAuth for user authentication.
- Technology: Typescript, Postgres, Serverless, AWS, Lambda, CI/CD, Jenkins

Jeeves

January 2022 to June 2022

<https://www.tryjeeves.com/>

- Effectively managed bulk card statement generation, verification, and distribution to clients.
- Employed advanced compression techniques to efficiently convert large files into compact sizes for streamlined processing, resulting in a 60% reduction time in statement generation.
- Technology: Node js, React js, Mysql, AWS

RevFin

September 2018 to 30th October 2020

<https://www.revfin.in/>

- Played a pivotal role in a cutting-edge financial application, facilitating customer access to loans while championing eco-friendly transportation solutions through e-vehicle financing.
- Mentored and trained junior engineers, resulting in a 40% improvement in team productivity and code quality.
- Technology: React Js, Angular 4, REST API-development, MongoDB, Node js, AWS EC2, PM2, AWS Recognition.

EDUCATION

MCA 2009 to 2012

IMR Ghaziabad, Gautam Buddh Technical University

LANGUAGES

English, Hindi