

Shubham S Singh

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Career Objective:

I am a skilled Full-Stack Software Developer with over **5+ years** of experience in designing, developing, and deploying scalable web applications. With a strong command of both front-end and back-end technologies, I specialize in building high-performance solutions using **Node.js, React.js, Next.js**, and databases like **MongoDB, Firestore, SQL, and Redis**. Throughout my career, I have successfully led and contributed to fintech and media projects, delivering secure and efficient applications that enhance user engagement and business growth.

Passionate about cloud computing and serverless architecture, I have leveraged platforms like **AWS and GCP** to develop scalable, event-driven solutions using **Google Cloud Functions, Google Cloud Tasks, AWS S3, AWS Lambda, API Gateway, etc.** My expertise extends to fintech innovations, caching mechanisms, and performance optimization, ensuring seamless user experiences and robust backend systems.

As a proactive problem-solver, I excel in collaborating with cross-functional teams, optimizing application performance, and integrating **AI-driven solutions** to enhance software development efficiency. I thrive in fast-paced environments, continuously adapting to emerging technologies while driving innovation and delivering impactful solutions that align with strategic business objectives.

Technical Skills:

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|--------------------------------|---|--|
| • Programming Languages | : | Node JS, Javascript, Ktor, |
| • Web Technologies | : | Next.Js, React Js, Next Js, HTML5, Bootstrap, CSS |
| • Cloud Platform | : | AWS & GCP |
| • Cloud Services | : | Google Cloud Function, Google Cloud Task, Amazon EC2, S3, Polly, AWS Lambda, AWS API Gateway, CloudWatch, etc. |
| • Operating System | : | Mac, Windows & Linux |
| • Database | : | MySQL, MongoDB, FireStore, Redis |
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Work Experience

Network 18 Media & Investment Limited – MoneyControl

Position: Full-Stack Software Development Engineer

Duration: April 2022 – Present (3 Years)

Summary of impact: With over 3 years at Network18 – MoneyControl, I have played a crucial role in building and scaling fintech and financial tracking platforms that serve over 10 million users daily. I have engineered cloud-native architectures that handle 2.5 million daily active users, ensuring seamless performance and scalability. My contributions have led to the automation of loan processing, facilitating ₹100 CR disbursed in the first 6 months and ₹400 CR+ in a year. Additionally, I have leveraged AI-driven automation to streamline development workflows, optimize PR reviews, and enhance content generation. My expertise in Node.js, React.js, MongoDB, Firestore, Redis, and cloud services (AWS, GCP) has been instrumental in delivering high-performance, secure, and scalable applications.

Projects Undertaken

- ❖ **MC Lending (Node.js, MongoDB, Redis, Google Cloud Task API, Google Cloud Functions)**
 - Developed and implemented the complete backend architecture using **Node.js, Firestore, and Redis**.
 - Designed and integrated a responsive web application using Next.js.
 - Facilitated loan offerings by partnering with multiple lenders via Finbox, including **LTFs, ABFL, Niro, Fibe, etc.**
 - In the **first 6 months**, successfully disbursed **₹100 CR** in loans, and within 1 year, surpassed **₹400 CR** in total disbursements.
 - Implemented automated loan processing, enabling real-time eligibility checks, document verification, and instant approvals.
 - Built a scalable backend to **handle millions of users, optimizing performance with Redis caching and queue-based processing**.
 - Ensured secure data handling and compliance with RBI regulations and lender policies.
 - Developed APIs for loan status tracking enhancing user experience and lender efficiency.

- ❖ **Artificial Intelligence Initiatives**
 - **Code Generator:** Developed an AI-powered tool that generates code based on existing context and required functionality.
 - **PR Review Agent:** Created an AI-driven agent for automated pull request reviews, enhancing descriptions, providing code walkthroughs, auto-labeling, estimating review time, and highlighting security risks and improvements.
 - ❖ **MC Watchlist (Next.js, Node.js)**
 - Designed and integrated UI using **Next.js** and developed APIs using **Node.js**.
 - Built a personalized tool for users to track **stocks, mutual funds, commodities & currency**.
 - Serves over **10 million users**, handling **2.5 million daily active users**, ensuring high availability and seamless performance.
 - ❖ **MC Portfolio Scores (Node.js, MongoDB, Google Cloud Task API, Google Cloud Functions)**
 - Designed and developed backend architecture, utilizing serverless solutions.
 - Created APIs to evaluate users' portfolio scores and provide investment recommendations.
 - Serves over **10 million users**, handling **2.5 million daily active users**, ensuring high availability and seamless performance.
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Applied Cloud Computing Pvt Ltd

Position: Full-Stack Software Developer

Duration: Jan 2020 – April 2022 (2 Years & 3 Months)

Projects Undertaken

- ❖ **BMM Video Portal (React.js, Node.js, MongoDB, AWS Services)**
 - Developed RESTful APIs and integrated UI using React.js.
 - Managed AWS cloud services for scalable infrastructure.
 - ❖ **National Pension System (React.js, Node.js, PostgreSQL, Sequelize)**
 - Developed microservices-based APIs for pension investments and withdrawals.
 - Digitalized the offline pension withdrawal process.
 - ❖ **Ad Manager (React.js, Node.js, MongoDB)**
 - Designed and developed an ad placement application similar to Google AdSense.
 - ❖ **Itecho Health (React.js, Node.js, MySQL)**
 - Built a platform to facilitate patient data sharing between hospitals and mobile applications.
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Educational Qualification

- **Masters of Computer Applications (MCA) – Thakur Institute of Management Studies (2020) – 6.98 CGPA**
 - **B.Sc. in Computer Science – K.M. Agrawal College, University of Mumbai (2016) – 4.17 CGPA**
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Extra-Curricular Activities

- ✓ **Team Lead at Synapse 2018 – Led an IT innovation competition at TIMSCDR.**
 - ✓ **Student Committee Head for ICAIM 2019 – Organized an International Conference at TIMSCDR.**
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Strengths

- ✓ **Adaptable to new environments and technologies**
- ✓ **Strong problem-solving and logical thinking skills**
- ✓ **Initiative-taking and proactive in learning new advancements**
- ✓ **Effective at multitasking and managing multiple priorities**
- ✓ **Passionate about building efficient, scalable, and innovative tech solutions**

Date:

Signature: