

RUSHABH SURENDRA SHAH

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Passionate about architecting robust, high-performance systems and leveraging technology to solve complex problems. Over 4.5 years, I've honed my expertise in the full software development lifecycle, with a strong focus on backend engineering using Node.js, TypeScript, Express.js, Microservices, PostgreSQL, MongoDB, and AWS.

EDUCATION

Bachelor of Engineering – University of Mumbai (2016 – 2020)

📈 CGPA: 7.9/10.0

- **Relevant Courses:** Data Structures, Algorithms, System Design, Database Management, Web Development

TECHNICAL SKILLS

- **Language and Database:** JavaScript, TypeScript, HTML, MongoDB, MySQL, PostgreSQL, Database Design, Sequelize, Mongoose
- **Frameworks & Libraries:** Node.js, Express.js, Angular, React.js (AI-powered), Redux, jQuery, Tailwind CSS, SASS, TensorFlow, AI Agents
- **Tools & Platforms:** Git, GitHub, Docker, AWS (EC2, S3, CloudWatch), Jest, NPM, OpenAI API, Cursor.ai, AI-driven DevOps, Jenkins
- **Other Expertise:** RESTful APIs, Microservices, AI Agents, Generative AI, LLMs, Autonomous AI, Backend Optimization, Agile Development, End-to-End Testing, Integration Testing, Event-Driven Architecture, Serverless

WORK EXPERIENCE

Software Solutions Engineer | Gupshup Pvt. Ltd. (Oct 2021 – Present)

- Developed & deployed AI agents, automating workflows and reducing manual workload by 50%, significantly improving operational efficiency.
- Designed AI-driven automation systems, leveraging LLMs & Generative AI, cutting response time by 60% and boosting operational efficiency by 30%.
- Engineered an AI-powered chatbot automation tool, reducing development time by 80% for client projects.
- Architected a payment solution product (WA Pay), decreasing manual integrations by 70% and improving system scalability.
- Optimized project workflows, increasing overall delivery efficiency by 25%.

Software Engineer, Reliance jio limited. | (Aug 2020 – Oct 2021)

- Contributed to core product enhancements that helped reduce specific crash instances by 20% in subsequent releases.
- Improved project success rates by 10% through cross-functional collaboration, introducing agile refinements.

Software Development Engineer (Founding Engineer) | InvestKarr

- Established real-time transaction tracking for a fintech platform, enhancing financial operations. by enabling reporting speeds 10x faster than the previous batch system.
- Optimized database queries for handling 3-4 million daily transactions, reducing query execution time by 70%.
- Implemented cloud infrastructure (AWS EC2, S3) for seamless deployment and scaling.
- Designed and integrated a retry mechanism for failed cron jobs, ensuring system reliability.

SDE (Founding Engineer) | Sehateasy (Nov 2020 – Oct 2021)

- Rebuilt a legacy appointment booking system using Angular & Node.js, boosting bookings by 6,000+ per month.
- Developed a CRM from scratch (MEAN stack), onboarding 50,000+ active users.
- Streamlined project workflow, enhancing efficiency by 40%.

Full Stack Developer Intern | Harrier Information Systems (Nov 2019 – Feb 2020)

- Expanded a compliance register for GOVEVA, automating data processing and storage .
- Created an automated tool, improving productivity by 30% and reducing manual tasks by 70%.
- Led a team initiative to enhance compliance management resulting in a 25% reduction in time needed for internal audit

PROJECTS, HACKTHONS & RESEARCH PAPERS

- **Space Breaker:** Developed a game using Unity 3D with interactive and engaging experiences.
- **Deadliner:** Built the backend for a project timeline management software using Node.js, Express, and MongoDB.
- **RushyourData:** Currently working on developing a tool for graphical data representation, demonstrating an ongoing commitment to expanding your skill set and addressing data visualization needs.
- **Published Research Paper** - Title: 'Developing Markerless Augmented Reality for Furniture Mobile Application' - Published in the International Journal of Engineering and Manufacturing (IJEME) in 2021.
- **Achievements-** Runner up in the National level hackathon SMART INDIA HACKATHON 2019.

COURSES

- Full Stack Development with React & Node JS
- Node.js Essential Training (LinkedIn Learning)
- Angular Essential Training (LinkedIn Learning)
- Building Angular and Node Apps With Authentication (LinkedIn Learning)
- Handheld AR App Development with Unity (Coursera)

CODING COMPETITIONS

- Google Kick Start
- Smart India Hackathon
- International Blockchain
- Hackathon by IET
- Teknack Game Developer
- Competition
- HackerEarth

LINKS

- [Github](#)
- [LinkedIn](#)
- [Stackblitz \(IDE\)](#)
- [Hashnode \(Blogs\)](#)
- [Medium \(Blogs\)](#)
- [Projects & certificates](#)