Saurabh Jagtap

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Github: <http://saurabhlearns.github.io>  
Portfolio: https://[.github.com/saurabhLearns](http://www.github.com/saurabhLearns)

Experienced Software Engineer with 4+ years in backend development, microservices, and system architecture. Skilled in technologies like NodeJS, MongoDB, PostgreSQL, Docker, RabbitMQ, and gRPC, with hands-on experience managing large-scale microservices. Passionate about solving complex problems in distributed systems, operating systems, and networking, and committed to creating scalable products.

**Skills**

* Programming Languages: C, JavaScript, Python
* Databases: MongoDB, PostgreSQL, MySQL, Redis
* Technologies: NodeJS, Socketio, RESTful APIs, Docker, gRPC, RabbitMQ,
* Tools and Software: Postman, Swagger, Kibana, Grafana
* Interests: Data Structures and Algorithms, Backend Development, Operating Systems, Microservices, Distributed Systems

**Professional Experience**

**Software Engineer**   
**Leena.ai** June 2022 - Current

* Led backend development for the core bot platform, managing bot interfaces and backend integration across multiple channels.
* Increased bot adoption by 90% by optimizing notification delivery for third-party integrations like MS Teams.
* Integrated Leena's GenAI Autonomous Agent with the bot, helping users get the answers to their queries in just one second.
* Developed and maintained internal SDK tools, significantly boosting developer productivity.
* Enhanced information security by implementing private file URLs, deployed across all projects.
* Automated channel integration tasks, reducing manual efforts by over 90% and minimizing human errors.
* Owned the development of RBAC and created technical documentation for core team services. Worked with NodeJS, RabbitMQ, MongoDB, AWS, and Docker.

**Software Engineer   
iauro Systems Pvt. Ltd.** October 2021 - June 2022

* Promoted to Software Engineer and appointed as a squad lead for a scrum team.
* Led sprint planning, task delegation, PR reviews, and backend architecture design.
* Designed and developed over 20 microservices.
* Conducted technical R&D, investigations, and implementations, contributing to internal assets.
* Extensive hands-on experience with NodeJS, Redis, MongoDB, gRPC, PostgreSQL, RabbitMQ, and Docker.

**Associate Software Engineer   
iauro Systems Pvt. Ltd.** August 2020 - September 2021

* Rearchitected the monolith into microservices, optimizing API speed by 70%.
* Led backend development, designing and developing APIs in scrum sprints for an early-stage e-learning platform.
* Improved database performance through indexing, and database schema normalization.
* Implemented gRPC for inter-service communication, improving efficiency by 80%, and contributed to POCs adopted across projects.
* Worked with technologies including NodeJS, Redis, MongoDB, gRPC, PostgreSQL, RabbitMQ, and Docker.

**Software Intern   
iauro Systems Pvt. Ltd.** February 2020 - July 2020

* ​​Developed a Low-Code No-Code platform that significantly boosted developer productivity.
* Acquired hands-on experience with NodeJS, MongoDB, and Redis.
* Led the creation of Docker images and automated deployments using Jenkins pipelines.

**Education**

* *Shri Guru Gobind Singhji Institute of Engineering and Technology, Nanded, Maharashtra*B.Tech. Computer Science and Engineering (August 2016 - October 2020)  
  CGPA: 6.79/10
* *Shivaji Jr. Science College, Gadchiroli, Maharashtra*HSC (July 2015 - May 2016)  
  Percentage: 82.77%
* *Shivaji High School, Gadchiroli, Maharashtra*SSC (July 2013 - June 2014)  
  Percentage: 92.00%

**Projects and Certifications**

* Certification - Cloud Computing Concepts, Part 1:  
  Offered by the University of Illinois at Urbana-Champaign on Coursera.  
  https://www.coursera.org/account/accomplishments/verify/FC7NPZ9M4DAD
* Email scheduler:  
  Developed a scheduling system where emails are triggered based on user-defined execution times and metadata. Utilized Node.js, MongoDB, cron jobs, and Nodemailer for email delivery. Repository: https://github.com/saurabhLearns/email-scheduler
* Playlister Web Application:  
  Built using the Django framework, this app allows users to create, save, and share playlists across various streaming services, enhancing music discovery and sharing. Repository: https://github.com/saurabhLearns/playlister
* Shell implementation in C:  
  Implemented Unix shell in C with different Unix System Calls.  
  Link: https://github.com/saurabhLearns/shell
* WritersDen website & Android app:  
  Created a social platform for writers to publish and share their write-ups, complete with author credits. The platform fosters community engagement and allows users to explore diverse content from fellow writers.
* YOU magazine:  
  A traditional-cum-digital magazine. Developed website using HTML, CSS (MaterializeCSS), Javascript, PHP, MySql with PayUMoney payment gateway integration.