Sunad Suhas

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SUMMARY

Senior Software Engineer with 4 years of experience delivering full-stack applications, backend integrations, AI-powered features, and data pipelines across government software, semiconductor operations, and transportation analytics. Owns end-to-end development spanning database design, APIs, user interfaces, testing, and rollout.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, SQL, Java, C#, Cypher
Frameworks, APIs & Authentication: React, Next.js, Node.js, tRPC, Prisma, .NET Core, FastAPI, Flask, OAuth
Databases and Data: PostgreSQL, Neo4j, MySQL, SQL Server, Oracle, Apache Airflow
AI/ML: OpenAI API, Retrieval-Augmented Generation (RAG), LangChain, Hugging Face, Transformers, PyTorch
Cloud and Developer Tools: AWS, Docker, Git, GitHub Actions, Azure DevOps, Postman
Testing and Delivery: Automated testing, user acceptance testing (UAT), CI/CD, technical documentation

PROFESSIONAL EXPERIENCE

Senior Software Engineer May 2025 – Present
Civic Group Inc. (promoted Nov. 2026) *New York, USA*

- Owned full-stack delivery of task management and scheduling using TypeScript, React, Node.js, and PostgreSQL, designing Prisma data models, tRPC APIs, and user interfaces.
- Redesigned case-management workflows for congressional and NYC offices, unifying constituent cases, correspondence, and agency follow-ups with NYC 311 service tracking and reporting.
- Built outreach tools for campaign creation, reusable audiences, recipient-level delivery, and email engagement analytics; integrated L2 voter data for audience segmentation with permission-controlled access and exports.
- Integrated an OpenAI-powered support chatbot using LangChain and retrieval-augmented generation (RAG) for in-product assistance; added sentiment analysis to inbox, batch-review, and case-management workflows.
- Built staff access-management interfaces for invitations, access removal, and assignments, enabling administrators to control access to specific offices and tasks.
- Developed Slack and Microsoft Teams integrations using OAuth, encrypted token storage, and key rotation, enabling office-specific workspace connections and configurable workflow notifications.

Software Engineer Jan. 2022 – Jul. 2024
Microchip Technology Pvt. Ltd. *Bengaluru, India*

- Designed and deployed a graph-based inventory reserves engine using Neo4j, SQL, and Airflow, contributing to $40M+ in cost savings, a 90% reduction in manual effort, and an 80% improvement in reporting accuracy.
- Built pipelines to integrate inventory and bill-of-materials data from 6+ enterprise systems, using Cypher, Docker, and Azure DevOps to accelerate report generation by 3x.
- Developed a Python and Cypher testing framework to validate inventory-reserve calculations against expected results and support user acceptance testing.
- Developed and rolled out a .NET Core investment-analysis application backed by Oracle and SQL Server to 100+ stakeholders, automating net present value (NPV) and internal rate of return (IRR) calculations to support $10M+ in capital planning.

Data Analyst Intern Feb. 2021 – Jun. 2021
Bounce Pvt. Ltd. *Bengaluru, India*

- Applied predictive modeling and metaheuristic optimization to dockless bike-sharing demand and supply, contributing to a 25% improvement in demand forecasting accuracy.
- Developed a real-time bike redistribution strategy responsive to changing demand across cities, reducing truck-based redistribution efforts by 40% and generating $30K+ in operational savings during the pilot rollout.
- Co-authored research on demand–supply optimization using metaheuristic algorithms, published and presented at an IEEE conference in April 2022.

EDUCATION

University at Buffalo, The State University of New York Aug. 2024 – Dec. 2025
Master of Science in Computer Science *Buffalo, NY*

- Graduate Student Assistant (Grader) for CSE 462/562 – Database Systems.
- Relevant Coursework: Advanced Algorithms, Machine Learning, Deep Learning, Data-Intensive Computing.

PES University Aug. 2018 – May 2022
Bachelor of Technology in Computer Science *Bengaluru, India*

- Relevant Coursework: Data Structures, Operating Systems, Computer Networks, Object-Oriented Programming.