

# SATISH MAHARAJ

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## Summary

Experienced DevOps, Software and Data Engineer skilled in delivering high-quality solutions under tight deadlines. Strong in troubleshooting, debugging, and managing multiple projects with precision. A dedicated team player with excellent time management, problem-solving abilities, and a strong work ethic. Eager to embrace new challenges and responsibilities while quickly mastering new skills.

## Experience

**DevOps Engineer** | 11/2024 – Current

**Republic Bank** – Trincity, Trinidad and Tobago

- Designed and implemented CI/CD pipelines for automated deployments.
- Managed cloud infrastructure on AWS and Azure, ensuring high availability and scalability.
- Utilized Infrastructure as Code (IaC) tools such as Terraform and Ansible to automate provisioning.
- Monitored system performance and security using tools like Prometheus and ELK stack.
- Integrated security best practices into the software development lifecycle (DevSecOps).
- Provided technical support for development teams in optimizing cloud-based deployments.
- Streamlined software releases through containerization with Docker and Kubernetes.

**Software Engineer & DevOps Engineer** | PART-TIME | 09/2024 – Current

**Cenedex Software Solutions** – Trincity, Trinidad and Tobago

- Developed, deployed, and maintained cloud-based applications.
- Led DevOps initiatives to improve CI/CD pipelines and automate software deployments.
- Managed software development teams, ensuring timely delivery of projects.
- Designed and optimized relational and NoSQL databases (SQL Server, MongoDB).
- Integrated third-party APIs to enhance application capabilities.
- Conducted code reviews and provided mentorship to junior developers.
- Implemented automated testing and monitoring solutions to improve software reliability.

**Senior Software Engineer** | PART-TIME | 08/2023 – Current

**RoseDev Solutions** – Trincity, Trinidad and Tobago

- Led the software development team in designing and deploying scalable solutions.
- Designed databases and optimized SQL queries for better application performance.
- Ensured code quality through reviews and adherence to best practices.
- Developed full-stack applications using JavaScript, Node.js, and React.
- Integrated APIs and third-party services to enhance software functionality.
- Managed version control and collaboration using Git.
- Provided technical leadership and guidance to junior developers.

**Systems Analyst** | 05/2023 – 11/2024

**Republic Bank** – Trincity, Trinidad and Tobago

- Analyzed system requirements and recommended improvements for efficiency.
- Optimized existing database structures for better performance.
- Integrated third-party APIs to extend application functionality.
- Developed scripts to automate data processing and system maintenance.
- Provided support for debugging and troubleshooting production issues.

- Coordinated with stakeholders to align software solutions with business goals.

**PROGRAMMER** | 11/2023 – 05/2024

**Republic Bank** – Trincity, Trinidad and Tobago

- Developed and maintained in-house banking applications.
- Provided production support for mission-critical financial systems.
- Debugged and optimized legacy code to improve system stability.
- Automated report generation and data processing tasks.
- Assisted in software deployments and version upgrades.

**Software Engineer** | 01/2024 – 05/2024

**Mindwise Project** – Port of Spain, Trinidad and Tobago

- Developed and maintained enterprise-level web applications.
- Designed and optimized relational databases for efficient data management.
- Collaborated with stakeholders to define software requirements.
- Conducted thorough testing to ensure software reliability.
- Improved application security by implementing authentication and authorization mechanisms.
- Coordinated with UI/UX teams to enhance the user experience.

**Marker** | PART-TIME | 10/2023 – 05/2024

**University of the West Indies** – St. Augustine, Trinidad and Tobago

- Evaluated student assignments and provided detailed feedback.
- Maintained records of student performance and progress.
- Developed grading rubrics to ensure consistency in assessment.
- Conducted quality assurance checks on other markers' work.

**Analytic, Process Mapping & Resource Mobilization Assistant** | 10/2023-11/2023

**University of the West Indies** – St. Augustine, Trinidad and Tobago

- Collected and analyzed data for resource planning.
- Developed software tools for process automation.
- Wrote and presented technical reports on findings.
- Assisted in process mapping and workflow optimization.

**Software Engineer / Full Stack Developer** | 05/2023 – 08/2023

**Hibiscus Health** – New York City, United States of America

- Developed scalable web applications using JavaScript, React, and Node.js.
- Integrated cloud services for secure data storage and processing.
- Worked with clients to define project requirements and deliverables.
- Implemented security best practices in software development.
- Led software deployment and maintenance efforts.

**Junior Software Developer** | 12/2022 – 04/2023

**Carigro** – St. Vincent

- Developed and optimized applications for better performance.
- Assisted in debugging and troubleshooting technical issues.
- Conducted testing to identify and fix software bugs.
- Automated manual processes to improve efficiency.
- Managed source code using Git and collaborated with the development team.

**Graduate Intern / Junior Software Developer** | 04/2022 – 08/2022

**Republic Bank** – Trincity, Trinidad and Tobago

- Assisted in upgrading legacy banking applications.
- Developed scripts to automate repetitive tasks.
- Participated in software development and debugging sessions.
- Conducted research on emerging technologies for potential implementation.

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## Education and Training

### Udemy

Certificate | **SQL Development**, 06/2024  
Certificate | **The Complete Agile Scrum Fundamentals**, 06/2024  
Certificate | **PowerShell From Beginner to Sheller**, 05/2024

### IBM

Certificate | **Exploratory Data Analysis for Machine Learning**, 07/2024  
Certificate | **Cybersecurity Threat Intelligence**, 07/2024  
Certificate | **Introduction to Cybersecurity Tools & Cyber Attacks**, 07/2024  
Certificate | **Advanced Machine Learning Models Using IBM SPSS Modeler**, 07/2024  
Certificate | **AIX Administration**, 05/2024

### Great Learning

Certificate | **Project Management**, 08, 2024

### University of the West Indies- St. Augustine, Trinidad and Tobago

Bachelors of Science, **Computer Science (Special)**, 07/2023

- Dean's List 2021
- Elected Student Representative in 2020, 2021, 2023
- First Class Honors
- Ranked in Top 10% of class
- Projects and Research: Artificial Intelligence
- Participated in the University's Mentorship Program

### San Fernando Central Secondary School- San Fernando, Trinidad and Tobago

07/2020

- Dean's List 2018, 2019
- Elected Student Representative in 2015, 2018
- Participated in the School's Mentorship Program
- **National Bursary Winner**
- School Prefect

### University of the West Indies- Open Campus, Trinidad and Tobago

Certificate | **Computer Maintenance and Repairs**, 2015

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## Skills

### Software Development & Engineering

- Object-Oriented Programming (OOP)
- Algorithms & Data Structures
- Software Development Life Cycle (SDLC)
- Agile Development Methodologies (Scrum, Kanban)
- Test-Driven Development (TDD)
- Software Quality Assurance & Testing
- Debugging Techniques & Root Cause Analysis
- Cross-Platform Development
- API Design & Integration
- Software Integration & Implementation Management
- Cloud Computing & Deployment

### Programming Languages & Frameworks

- JavaScript & TypeScript (Expert)
- Python (Django, Flask MVC)
- SQL (SQL Server, MySQL, PostgreSQL)
- Node.js & Express.js
- React & Next.js
- React Native
- Svelte
- Flutter
- HTML & CSS (UI/UX Development)
- Scripting Languages (Bash, PowerShell)

### Infrastructure, DevOps & Cloud Technologies

- Infrastructure as Code (IaC) (Terraform, CloudFormation)
- Containerization (Docker, Kubernetes)
- CI/CD Pipelines (GitHub Actions, Jenkins)
- Cloud Platforms (AWS, Azure, Google Cloud)
- Serverless Computing (AWS Lambda, Azure Functions)
- Source Control & Versioning (Git, GitHub, GitLab)

### Databases & Data Management

- SQL Server (Expert)
- MySQL, PostgreSQL
- NoSQL Databases (MongoDB, Redis)
- Database Management & Optimization
- Data Analysis & Risk Analysis
- Data Encryption & Security

### Cybersecurity & Web Security

- Secure Coding Practices
- Authentication & Authorization (OAuth, JWT)
- Application Security (OWASP)
- Data Encryption & Compliance
- Penetration Testing & Vulnerability Assessment

### Project & Team Management

- Project Management (Agile, Scrum)
- Requirements Gathering & Business Analysis
- Documentation & Revision Management
- Effective Communication & Team Building
- User Training & Support

### Miscellaneous & Additional Skills

- Web & Mobile Application Development
- CRM System Development
- AI & Machine Learning
- Usability & UI/UX Understanding
- System Design & Architecture
- Scripting & Automation