

# GOUTHAM A G

 +91 - 9740116072

 gouthamag398@gmail.com

[linkedin.com/in/goutham-a-g-939b84160](https://www.linkedin.com/in/goutham-a-g-939b84160)

## PROFILE SUMMARY

Accomplished Test Automation Engineer with **4+ years** of experience in **software testing, DevOps, and Automation**, including **Python-based test frameworks** at Bosch. Recently transitioned into **Java-based UI and API test automation**, with hands-on freelance project experience using **Selenium, TestNG, Rest Assured, and Postman**. Skilled in building scalable frameworks, optimizing **CI/CD** pipelines, and applying **BDD** methodologies. Recognized for automation excellence, cross-functional collaboration, and delivering robust, real-world test solutions aligned with Agile practices.

## TECHNICAL SKILLS

Category	Tools & Technology
Current Stack (Java / API / UI)	Java, Selenium, TestNG, Maven, Cucumber (BDD), Page Object Model (POM), Data-driven Testing, Postman, Rest Assured, JSON Schema Validation, Extent Report
Domain Expertise (Python)	Python, SIL Testing, System Testing, MS Test, Docker, Jenkins, Allure, Git, Bitbucket, Jira, Linux
Methodologies	Agile, Scrum, Regression Testing, Validation & Verification (V&V)

## WORK EXPERIENCE

### Oct'24 – Present | Freelance – Test Automation Engineer | Remote

- Framework development & UI Automation:** Built UI Automation Framework using Java, Selenium, TestNG, Maven with POM, Cucumber BDD and data driven testing.
- API Testing & Validation:** Developed REST API test suites using Rest Assured, Postman and JSON Schema validation
- CI/CD Integration & Reporting:** Integrated test suites with GitHub and Jenkins generating reports with Extent Reports and Allure.
- Real-world use case simulation:** Simulated end-to-end scenario to reflect real-world product and testing workflows.

### Jan'21 – Sep'24 | Bosch Global Software Technologies | Bengaluru, Karnataka, India

*Growth Path:*

Jul'23 – Sep'24 | Senior Software Engineer

Jan'22 – Jun'23 | Software Engineer

Jan'21 – Dec'21 | Associate Software Engineer

### Jul'23 – Sep'24 | Senior Software Engineer

- Advanced Testing Expertise:** Led MS Test, System Testing, and Regression Testing strategies, ensuring comprehensive test coverage and identifying critical defects to enhance product reliability.
- Automation & Efficiency Enhancement:** Optimized test execution using Linux and Docker environments, streamlining test data preparation and driving automation for improved efficiency.
- Process Optimization & Scalability:** Implemented Docker container-based testing frameworks and configured Jenkins pipelines for cross-platform test execution, reducing testing time by 50%.
- Quality Assurance & Defect Identification:** Developed a robust test suite leveraging in-house CLI and Python APIs, detecting high-impact defects before release, improving product quality

## Jan'22 – Jun'23 | Software Engineer

- **Test Management & Efficiency:** Spearheaded Verification & Validation (V&V) efforts, optimizing test cycles and reducing test execution time by **30%**.
- **Automation & Version Control:** Implemented Git LFS, Jenkins, and Groovy scripting to enhance version control efficiency and automate testing workflows.
- **CI/CD Optimization:** Led the configuration of Continuous Integration & Deployment (CI/CD) pipelines, improving SiL simulation test integration and reducing build failures by **30%**.
- **Test Coverage Enhancement:** Identified and resolved critical test gaps, collaborating with teams to improve test coverage by **60%** over six sprints.
- **Scalability & Execution Efficiency:** Developed a robust ASAM-XiL API-supported test framework and introduced parallel test execution in Jenkins, boosting efficiency by **25%**.

## Jan'21 – Dec'21 | Associate Software Engineer

- **Test Automation & Efficiency:** Acquired expertise in Python, BDD, Git, optimizing test automation frameworks & reducing script development time by **50%**.
- **Agile Project Management:** Leveraged Bitbucket, Jira, Scrum methodologies to ensure **95%** on-time project milestone delivery and seamless collaboration.
- **Feature Testing & Bug Tracking:** Developed and executed automation scripts, strengthening feature validation and improving defect identification accuracy.
- **SiL Testing Optimization:** Enhanced SiL testing procedures, reducing errors and streamlining simulation feature test automation for improved reliability.
- **Recognition & Impact:** Awarded *Fit-for-Future* for automating COSYM simulations, cutting manual testing by **80%** & standardizing file parsing for scalability.

## EDUCATION

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### 2016 - 2020:

B.E., Information Science and Engineering

National Institute of Engineering, Mysore

GPA: **8.87**

### 2014 - 2016:

PUC, Science

Viveka PU College, Kota, Udupi

Percentage: **96.83%**

## AWARDS and RECOGNITION

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- **Ace Performer Award (2024)** for boosting test coverage and quality.
- **TPM Leadership (2024)** : Served as Test Project Manager for 4 months.
- **International On-Site (2023)** : Selected for 2-week technical project collaboration in Germany.
- **Fit-for-Future Award (2021)** for automating SiL simulations and reducing manual testing by 80%.

## SOFT SKILLS

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- Progressive Leadership
- Effective Communication
- Collaboration
- Problem-solving
- Result-oriented
- Analytical Thinking

## PERSONAL DETAILS

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**Address:** Udupi, Karnataka, 576282

**Languages Known:** English, Kannada, Hindi

**Date of Birth:** 03-September-1998