Abinash Mohanty

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SUMMARY

Versatile **Software Engineer** with a proven ability to bridge **frontend development** and **test automation.** Leveraged Angular and web components to build high-performance, scalable user interfaces. Adept at cross-functional collaboration, committed to rigorous testing, and experienced in optimizing workflows using REST APIs to deliver high-quality products.

SKILLS

Languages: Java, TypeScript, Gherkin, HTML, CSS, BDD-Cucumber.
Frameworks & Libraries: Angular (v17), Spring Boot, Karate, Jasmine, Karma.
Tools: Bruno, Maven, Git, Jenkins, Jira, IntelliJ, VS Code, GitHub.
Concepts: Agile (Scrum), DSA, OOPS, Debugging.

WORK EXPERIENCE

Fidelity Investments | Chennai

Software Engineer – UI Development   Feb 2025 - Present
- Engineered **Angular(v17)** UI components with shared API services, enabling real-time reporting features and achieving a **50%** improvement in component responsiveness; completed project three weeks ahead of schedule.
- Increased code reusability and reduced onboarding time by **50%** by refactoring the monolithic component logic into a **modular parent-child architecture**.
- Reduced selection errors by **40%** by implementing default template logic with reactive forms and conditional rendering.
- Highlighted project impact and gained leadership support as measured by renewed engagement, by presenting the **$4M** cost-saving migration plan to VP and stakeholders.
- Refined dropdown load performance by **98%**, reducing time from **230s** to under **5s** by optimizing CUSIP **fetch size** and **memory handling**, enabling smooth rendering of over 15,000 entries without leaks.

Test Automation Engineer   Sep 2024 - Jan 2025
- Lowered manual configuration effort by **40%** and accelerated execution cycles by **30%** by implementing automated environment selection in **Karate** and **Bruno** for SIT, UAT, and DEV.
- Improved test coverage by **35%** and lowered post-release defects by **20%** through design and execution of parameterized API test scenarios.
- Cut test maintenance time by **50%** by automating UID retrieval and role-based assignment for RPA, SPA, and Client, enabling consistent integration across test cases.
- Increased data validation accuracy by **45%** and minimized external dependencies by integrating direct database connectivity to execute stored procedures within test scripts.
- Ensured system stability and defect detection rate by **25%** by implementing structured negative test cases in automated API validations.

Adyogi | Delhi

Frontend Developer Intern   Aug 2023 - Nov 2023
- Improved web application stability, reducing system downtimes by **15%** through effective maintenance.
- Increased mobile traffic by **30%** and decreased bounce rates by **20%** by utilizing responsive design principles.
- Conducted routine code reviews to enforce coding standards and optimize best practices.
- Teamed up with a QA team to identify and resolve bugs, resulting in a **25%** decrease in post-release issues.

EDUCATION

Galgotias university   Sep 2020 - May 2024
B.TECH in Computer Science & Engineering(AI-ML)   **8.72 CGPA**

PROJECTS

Internal Reporting Engine Migration | Company Project.
- **Objective**: Replace a costly legacy reporting engine with a custom in-house reporting interface.
- **Technologies Used:** Angular, TypeScript, Java, REST APIs, RxJS, HTML, SCSS, Bruno.
- Built a **filter-driven Angular reporting UI with cascading dropdowns and chip selectors** to support dynamic report generation.
- Integrated **REST APIs for live data retrieval and filtering**, improving performance and removing manual delays.
- Created reusable components (date and number range inputs) to standardize filters and enhance usability.
- Automated **API validations to ensure accurate data migration and eliminate dependency** on the licensed reporting tool.

MedModel Insights – Machine Learning | Academic Research.
- **Objective**: Analyze the efficiency of machine learning models in pharmaceutical applications through statistical modeling.
- **Technologies Used:** Python, Pandas, NumPy, Matplotlib.
- Contributed to **statistical modeling and data preprocessing** to evaluate ML efficiency across pharmaceutical datasets.
- Led core implementation using **Python with Pandas and NumPy**, handling ~85% of the primary data analysis pipeline.
- Developed **visualizations** comparing model performance based on execution time and R^2 scores for research insights.

ACHIEVEMENTS & CERTIFICATION

- AWS Academy Graduate - AWS Academy Machine Learning Foundations.(Badge)
- Achieved **97% test coverage across API and UI endpoints** as part of the QA team