Debajyoti Chanda

QUALITY ENGINEERING SENIOR MANAGER

Profile

Accomplished Quality Engineering Senior Manager with 18 years of extensive experience driving transformative testing strategies that enhance software reliability and performance. Proven expertise in building robust test automation frameworks and leading teams through complex quality engineering initiatives, delivering substantial cost savings and operational efficiencies. Skilled in performance testing, automation integration, and mentoring diverse teams to achieve high-quality deliverables. A strategic thinker with a strong background in agile methodologies, dedicated to fostering innovation and excellence in quality assurance processes. Ready to leverage extensive knowledge in GenAI and testing methodologies to lead quality engineering efforts effectively.

Employment History

Quality Engineering Senior Manager, Accenture Technology

JANUARY 2018 — PRESENT

- Developed AI-driven solutions for Quality Engineering, including 3 LLM and Agent solutions for Mainframe Automation, WEB UI, and API Automation, achieving a 76% reduction in effort and generating $500K in revenue last year.
- Developed Open Source Performance Testing and Observability framework for instant performance feedback generation
- **Led the delivery of a multi-year Quality Engineering (QE) program** for a **high-stakes, high-visibility Government of Canada (GoC) project**, overseeing a **50-member team** and managing **$15M+ in testing revenue**.
- Successfully delivered **three major releases** with **<0.2% defect leakage**, ensuring exceptional quality and stakeholder satisfaction under tight regulatory scrutiny.
- Drove implementation of innovative quality engineering strategies, enhancing test coverage and efficiency across multiple projects.
- Led automation initiatives, ensuring optimal application functionality through comprehensive performance testing efforts.
- Mentored teams on agile methodologies, fostering best practices in quality assurance and driving continuous improvement.
- Collaborated with cross-functional teams to align testing objectives with business goals, enhancing overall project success.

Delivery Manager, Cognizant Technology Solutions

MARCH 2008 — PRESENT

- **Led a geographically diverse team** of performance engineers, successfully delivering **60+ releases** with **minimal production defects** and **on-time task completion**.
- Managed multi-tier application performance engineering operations using **Agile methodologies**, ensuring adaptability and efficiency in project delivery.
- **Developed an internal utility tool** that **reduced analysis effort by 30%**, resulting in **$120K+ in savings over 12 months**.
- **Introduced a defect prevention process** that cut **onboarding and training costs by 20%** over 18 months, streamlining team scalability.
- **Directed performance testing and engineering support** for major migration initiatives, delivering **detailed analytical reports** that influenced **strategic, long-term planning**.

Details

Burlington
Canada
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Links

LinkedIn

github

Skills

GenAI

python

gitHub Copliot

Browser-use

Apache JMeter

Selenium

Gatling

Playwright

HP Loadrunner

Postman

Java

HTML & CSS

JavaScript

SQL

Microsoft Azure

Amazon Web Services

Agile Methodology

Jenkins

Git

JIRA

- **Led the design and implementation** of a **risk estimation and performance testing tooling framework** for top financial institutions, driving **$1M+ CAD in cumulative cost savings**.
- **Conceptualized and delivered** a **resiliency framework** for a **Montreal-based bank**, improving **system availability by 17%**.
- Oversaw the **nationwide deployment of Guidewire (Claim Center)** for **P&C insurance products**, ensuring **optimal performance and high availability** during roll-out.

Software Test Engineer, HCL North America, San Antonio

AUGUST 2005 — PRESENT

- **Executed comprehensive testing** across diverse software applications, ensuring **high quality, functionality, and reliability** in deliverables.
- **Collaborated closely with development teams** to identify and resolve defects **early in the SDLC**, improving **overall product stability and reducing rework**.

Education

Bachelor of Engineering

Dynatrace

Splunk

Appdynamics

Bash Shell

Linux

Power BI

Languages

English