

Contact

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www.linkedin.com/in/manish-mitra
(LinkedIn)
github.com/manishmitra13/
BackendTest.git (Other)

Top Skills

Artificial Intelligence (AI)
Large Language Model Operations
(LLMOps)
Large Language Models (LLM)

Languages

English (Full Professional)
Hindi (Limited Working)

Certifications

ITIL Certificate
Salesforce Certified Administrator
Microsoft Certified: Azure
Fundamentals
CCBA

Honors-Awards

Spot Award Winner
Achieving Excellence

Manish Mitra

AI Leadership | Senior Engineering Manager Gen AI at
Commonwealth Bank
Melbourne, Victoria, Australia

Summary

Experience

Commonwealth Bank

2 years 1 month

Chapter Lead - Senior Engineering Manager (Gen AI)

November 2024 - Present (1 year)

Melbourne, Victoria, Australia

Building Gen AI applications for bank and humans!

Using - LLM /GPT/Anthropic

- Working with different Agentic framework (Google Adk/ Pydantic AI)

Senior Staff Engineer - Gen AI

October 2023 - December 2024 (1 year 3 months)

Melbourne, Victoria, Australia

Working in AI space with in the bank

Especially with AI models, embedding , chunking , prompt engineering and yes
langchain

Wesfarmers OneDigital

Principal Engineer

May 2022 - October 2023 (1 year 6 months)

Melbourne, Victoria, Australia

Principle QE Engineer / Coach for the OnePass Program in Wesfarmers
OneDigital.

Ensuring the OnePass Program delivers a good quality product into customers'
hands.

Giving Back to the community by presenting various topics on Quality
Engineering Forums.

Technologies and approaches:

1. Building the QE culture across the OnePass Program. Enabling Developers and Quality Engineers to take ownership of Quality.
2. Playwright and Cucumber (Using TypeScript) for the UI automation, Also Integration with cloud providers like SauceLabs and Lambda Test
3. Working with the team and helping to build on Event-Driven Testing Patterns on MSK Kafka (Used for BFF and API Tests as well)
4. Helping and building the best patterns on Mobile App Testing (Using Appium and Webdriver IO)
5. Driving test on GRPC and Consumer Driven Contract Test (PACT FLOW) for external consumers of OnePass.
6. Understanding and building tests on the Cloud Infrastructure deployments using CDK - Deploy.

ANZ

Chapter Lead

April 2021 - May 2022 (1 year 2 months)

Melbourne, Victoria, Australia

Testing Chapter Lead for BX Tribe,

Building the Quality Engineering Pipeline / Principles across 37 squads.

Guiding the Testing Chapter to build robust QE processes and Controls

Mentored and Guided QE coaches and built QE coaches across the Tribe and across continents.

Technologies helped in building the Intuitive

1. Playwright with Cucumber World
2. API Test using Jest
3. Strong review patterns across different stake holders

NAB

3 years 2 months

Manager Quality Engineering

October 2020 - April 2021 (7 months)

Melbourne, Victoria, Australia

Was responsible for the Data Lake Quality Engineering, Air Flow, Data Engineering Pipeline.

Infrastructure Testing using Python, Boto3.

Senior Consultant Quality Engineering

March 2018 - October 2020 (2 years 8 months)

Melbourne, Australia

Working for Business Banking Engineering Labs-

- Setting up the Quality and Test Pipeline for Business Lending Projects. In CI/CD using GOCD and Jenkins.
- Built Frameworks for Automation with Docker compose and express.
- Mentored Quality Engineers in other technical squads from Inception to Implementation.
- Liased between Business Owners, Product Owners, Designers and Developers to ship out a Quality Product from Lending Platform.
- Deployment and Stack maintenance of Endpoints in AWS environments. (Using TerraForm and Bash Scripting).
- Built Automated Reports for every execution occurring in the pipeline. This was used by the management to build the Test Summary Report, Which in turn decided the delivery to production.
- Support and provide fixes of the production incidents.(Using Splunk and Cloud Watch)
- Built the Infrastructure Test using TerraTest.
- Conducted Brown Bag sessions for the latest technology across Testing with JS with AWS and other Platforms
- Through knowledge of Build Test Deploy and Support Phase of the project and has been instrumental in building the api's from Engineering LAB with NAB (Business Lending).

Tools Used: API Test (Jest , Mocha and Node Fetch) , Cypress for UI. Gatling and Artillery for Performance. Jest for snapshot test and Mock test using Docker and Express.

Retire JS for security scan and OWASP Dependency Check.

Technical Abilities Developed:

Technologies spread : (Dev Languages used - TypeScript, JavaScript , Chai , Jest, AWS , CI&CD, Gocd, Jenkins , Docker , Express , Gatling)

1. AWS Webservices , usage of the following features - S3, DynamoDB, EC2, CloudWatch, Splunk Forwarder, IAM roles and policies ,RDS, Lambda, VPC, Stack maintenance.

2.Usage of serverless framework to deploy stack , also used terraform for deploy of infrastructure.

3. Mentored and guided the quality engineering principles within the LAB.

AIA Australia

Senior Test Automation Engineer

August 2017 - March 2018 (8 months)

Melbourne, Australia

Setting up the Vitality Test Automation Framework with Cucumber and Selenium Testing and serenity framework

Setup the API Automation using Postman and Rest assured API in Java Platform.

Browser Stack Implementation on Cloud and Integration with the automation test framework.

Set up of the Performance Testing framework using JMeter.

Set up of Appium to perform the test on physical devices and emulator using automation.

Ownership of Test Automation and Testing of Vitality Web Project

Test Automation with Adobe Experience Manager (AEM)

Wells Fargo

Business System Consultant

April 2014 - July 2017 (3 years 4 months)

Hyderabad Area, India

Fostering the SDL Tridion Test Platform. Designing and implementing the automation framework to handle SDI schemas

Summary: Wholesale Banking Technology

Role: Automation Test Architect

Attending meetings with business development managers and acting as a technical expert

Setting up the testing workbench for SDL implementation for CEO- Portal in Wholesale division of Wells Fargo

Placing an effective Automation Framework to automate the flows of the application using selenium and UFT

Leading the testing efforts from both onshore and offshore location, transiting to effective testing model.

A core member of automation test club- designing and implementing automation challenges within the organization.

Deloitte

Assistant Manager

February 2011 - April 2014 (3 years 3 months)

Summary: Worked as a leading the testing efforts of Deloitte Audit implementation in US and other Countries

Setting up the test platform for Unit box, database and UI testing using C#

Spearheaded the Deloitte Audit project

Worked on automation using coded ui automation framework.

Test effort coordination both in offshore and onshore.

Preparing status report and reporting to the Client. Capable of discovering software bugs, reporting bugs, and verifying bug fixes

Performing Functional Testing, System Testing and Regression Testing.

UnitedHealth Group

Test Engineer

April 2010 - April 2011 (1 year 1 month)

Summary: Worked as a Senior Test Automation Analyst and TOPS

{MainFrame} implementation.

Responsible for client requirement gathering and understanding

Monitor the execution of the Automation scripts on the CASS Frame work

Working on automation of TOPS using CASS UI automation framework built for QTP.

Preparing status report and reporting to the Client. Capable of discovering software bugs, reporting bugs, and verifying bug fixes.

Drafting the Test Plan and Test Metrics; implementing Defect Management; reviewing the Test Cases and approving the same.

Oracle Corporation

Associate QA Engineer

June 2007 - April 2010 (2 years 11 months)

Hyderabad Area, India

Summary: Was responsible to design and implement oracle.

Role: Automation Test Lead

Working on automation of ERP application using Test Lang (C#) and Winrunner

Designed and developed the Automation framework- Auto Script. Using .net and VB

Drafting the Test Plan and Test Metrics; implementing Defect Management.

Responsible for System Testing the implementation

SIT and UAT execution support to client

Education

Indira Gandhi National Open University

Master's Degree, Master of Computer Application · (2007 - 2010)

Bhavans Vivekanada College

Bachelor's degree, Electronics and Computer Science · (2004 - 2007)

Kendriya Vidyalaya

High School, Computer Science · (2004 - 2004)

DAV Sr Sec School

Class X, Science · (2002 - 2002)