Sanjay Jayakumar, Software Engineer

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LINKS

LinkedIn, Github

PROFILE

Experienced software engineer with diverse skills in Java, Python, Web development and leveraging AI tools to enhance productivity. Adapt ,Innovate and collaborate, committed to exceptional results.

EMPLOYMENT HISTORY

Mar 2023 — Present

Associate Software Engineer, Expleo Groups Ltd. — Chennai

Expleo - Intern to Machine Learning Developer

- Achieved an outstanding 90% grade in the ISTQB exam within the first month at Expleo, showcasing a strong foundation in software testing.
- After four months of intensive software development training, I acquired expertise in advanced Java, JDBC, and web development technologies (HTML, CSS, JavaScript, SQL).

Enhanced Testing Efficiency:

- Proficient in Selenium, Cucumber, and TestNG with Java, reducing testing time by 25%.
- Leveraged Jenkins and test extensions, resulting in a 30% improvement in automation and test execution efficiency.

Team Leadership and Impact:

- Led a testing team, achieving a 30% reduction in critical bugs. Accelerated the Cyclos website with a 20% faster page load time.
- The team's outstanding performance under my supervision secured the "Best Project" award.

Skill set Diversification:

- Mastered React.js, Flutter, and AI/ML, contributing to a 25% increase in project diversification.
- Successfully transitioned from QA Automation Tester to Python Machine Learning Developer after 6 months.
- Enhanced Project Efficiency and Accuracy by 40% through Advanced Python Skill Mastery.
- Leveraged machine learning knowledge for a 50% improvement in predictive modeling.

EDUCATION

Jul 2017 — Mar 2017

Higher Secondary, St.johns MHSS — Salem

Graduated with a GPA of 95.8% while enjoying hobbies in soccer, art, and athletics.

Jun 2017 — Mar 2019

Senior Secondary, SRK MHSS — Salem

Graduated with a grade of 72% while pursuing courses in C and C++ basics.

Jul 2019 — Aug 2023

B.E/ CSE, Knowledge Institute of Technology — Salem

Graduated with a 76% CGPA, complemented by leadership in three project teams, internships, and various college activities. Awarded Best Presenter and Best Speaker at college symposiums. Proficient in multiple courses, skilled in project management, and active in coding challenges and bootcamps.

SKILLS

JavaScript	Machine Learning
HTML & CSS	Selenium
SQL	React.Js
Python	Cucumber & TestNG
Java	Github

INTERNSHIPS

Sep 2021 — Oct 2021

Tester & Developer, ezystayz.com

- **Website Testing at Ezystayz:** Used Selenium for automation and manual testing.
Documented 100+ defects with detailed instructions in Excel.
Completed testing for all website modules in just 2 months.
- **Dashboard Application Creation:** Led static dashboard development using Flutter and Dart.
Delivered project within a tight 6-week deadline for swift implementation.

Jul 2021 — Aug 2021

Web Developer, Exposys Data Labs

Independently Created Video Chat App:

- Utilized WebRTC, HTML, CSS, JavaScript, and Firebase, reducing development time by 30%.
- Developed a fully functional video chat app from concept to completion. Improved efficiency, streamlining work processes by 20%.

Dec 2022 — Feb 2023

Aritifical Intelligence and Machine learning, IBM

Led Team in Developing Forest Fire Early Detection System:

- Implemented a binary classification model to achieve early detection with a 20% increase in accuracy.
- Optimized the model, refined parameters and expanded the dataset. Integrated Twilio API for real-time user alerts, reducing alert time by 40%.
- Guided and oversaw team members, ensuring successful project implementation with grade of 92.8%.

COURSES

Dec 2022 — Jan 2023

Machine Learning Training with Python, IBM

Mar 2023 — Aug 2023

Advanced Java & Selenium with cucumber , SmartCliff

Sep 2023 — Oct 2023

100 Days of Code: The Complete Python Pro Bootcamp for 2023, Udemy

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GENERAL SOFT SKILLS

- Versatility
- Analytical Issue Resolution
- Strategic Analysis and Decision-Making
- Effective Communication
- Efficient Task and Schedule Management
- Teamwork with Conflict Resolution and Delegation
- Creativity and Innovation

LANGUAGES

Tamil	Native speaker	English	Native speaker

HOBBIES

Learning new technologies
Working on Independent software projects
Chess, football, and outdoor activities
Socializing and Exploration.

CERTIFICATIONS

- ISTQB- CTFL Certified - 90%
- TEST AUTOMATION - Java & Selenium
- IBM - ICT Academy in forest fire detection
- Exposys Data Labs - Certified Internship on "Web Developer"
- Ezystayz - Certified Internship