

Divyansh Prakash Dubey

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PROFESSIONAL SUMMARY

Software Engineer AIR-768 GATE-2024 with 3+ years of experience building, validating, and maintaining customer-facing cloud-based and distributed applications. Strong hands-on experience with Java, Core Java, REST APIs, microservices, SQL, Spring Boot, automation frameworks, CI/CD, and cloud-native systems. Experienced in developing backend automation and service-level solutions, designing reusable frameworks, validating API and database workflows, debugging distributed applications, and improving software reliability. Strong understanding of object-oriented programming, RESTful services, microservices architecture, database interactions, CI/CD pipelines, and automated software delivery.

Worked closely with developers, product teams, and engineering teams across cloud and billing platforms to design technical solutions, investigate production issues, improve system reliability, and deliver high-quality software in Agile environments.

TECHNICAL SKILLS

- **Programming:** Java, Core Java, Python, Object-Oriented Programming (OOP), Bash Scripting, Linux
- **Languages:** Java, Core Java, Python, SQL, Bash
- **Backend Development:** Java, Spring Boot, REST APIs, RESTful Services, Microservices, HTTP/HTTPS, JSON, Object-Oriented Programming, Data Validation, Service Integration
- **Software Engineering:** Data Structures & Algorithms, OOP, Design Patterns, Exception Handling, Debugging, Logging, Code Reviews, Problem Solving, API Design
- **Automation & Quality Engineering:** REST Assured, Selenium WebDriver, Playwright, TestNG, JUnit, Automation Framework Design, API Automation, UI Automation, Integration Testing, Regression Testing, End-to-End Testing
- **Databases:** MySQL, PostgreSQL, SQL, Database Design & Validation, Data Integrity, Query Optimization
- **Cloud & Infrastructure:** AWS, Docker, Kubernetes, Microservices, Distributed Systems, Cloud-Native Applications, Linux
- **CI/CD & Tools:** Jenkins, Maven, Git, GitHub, CI/CD Pipelines, Automated Build & Test Execution
- **Performance & Security:** JMeter, Load Testing, Scalability Testing, Burp Suite, Nessus, Security Testing
- **Methodologies:** Agile, Scrum, SDLC, Risk-Based Engineering, Root Cause Analysis, Defect Lifecycle Management

PROFESSIONAL EXPERIENCE

Akamai Technologies Bengaluru India Software Development Engineer II

Jun 2025 – Present

- Developed and maintained Java-based automation and service-level solutions for customer-facing cloud, billing, and security applications.
- Worked on distributed systems and microservices supporting billing, invoicing, subscriptions, customer lifecycle, and security workflows.
- Developed reusable components and automation frameworks using Java, REST APIs, REST Assured, Playwright, TestNG, Maven, and Jenkins.
- Designed API-driven validation workflows covering business logic, service integrations, database interactions, and end-to-end customer journeys.
- Worked with REST APIs and microservices to validate request/response contracts, service interactions, error handling, and business rules.
- Performed database validation using MySQL and SQL, investigating data inconsistencies and validating backend processing and persistence workflows.
- Investigated complex application issues using logs, API traces, database queries, service interactions, and debugging techniques, performing first-level root cause analysis.
- Designed reusable automation components and improved framework architecture, maintainability, execution reliability, and coverage.
- Integrated automated execution with Jenkins CI/CD pipelines, supporting continuous validation and release processes.
- Participated in code reviews, technical discussions, and framework design activities with cross-functional engineering teams.
- Worked on performance and reliability validation for distributed cloud applications, analyzing application behavior under different workloads.
- Performed security validation of web applications and APIs using Burp Suite and Nessus, identifying vulnerabilities and collaborating with engineering teams on remediation.
- Provided technical guidance and knowledge transfer to junior engineers on automation frameworks, debugging, application workflows, and engineering practices.

Jio Platforms Limited, NHQ-Navi Mumbai Maharashtra Software Development Engineer

Jun 2023 – May 2025

- Developed and maintained Java-based automation and service validation solutions for cloud platform services, REST APIs, and microservices.
- Built reusable components for validating REST APIs, service integrations, business workflows, and distributed application behavior.
- Automated functional, integration, regression, and end-to-end workflows using Java, REST Assured, TestNG, and Maven.
- Worked with backend services and APIs to validate business logic, request/response processing, error handling, and service-to-service interactions.
- Performed SQL-based database validation to verify data consistency, persistence logic, and backend workflows.
- Executed performance and scalability testing using JMeter, analyzing system behavior under production-scale workloads.
- Investigated application issues through logs, API responses, database queries, and service interactions and performed root cause analysis.
- Contributed to CI/CD-driven engineering practices, automated execution, release validation, and continuous improvement initiatives.
- Participated in Git-based code reviews and repository maintenance while improving framework architecture and code quality.
- Collaborated with developers, product owners, and engineering teams to understand requirements, define technical validation strategies, investigate issues, and improve system reliability.

PROJECTS

Linode Billing Platform (Akamai Technologies)

Jun 2025 – Present

- Developed and maintained scalable Java-based API automation and backend validation solutions for billing, invoicing, subscription, and customer lifecycle workflows.
- Worked with distributed billing services and APIs to validate complex business rules, service interactions, invoice generation, and customer billing workflows.
- Designed reusable API automation components using Java, REST Assured, TestNG, and Maven.
- Performed SQL-based validation of billing data and backend persistence workflows using MySQL.
- Investigated billing discrepancies and application failures through API analysis, database queries, application logs, and service interactions.
- Contributed to CI/CD pipelines and automated execution to improve release validation and engineering productivity.
- Worked on complex billing workflows involving scheduled processing, reconciliation, promotions, customer services, and distributed data processing.
- Reported defects with consistent steps to reproduce, analyzed test results and collaborated with developers and QA teams to resolve issues.

Bot Manager/Download Center — Akamai Technologies

Jun 2025 – Present

- Developed and maintained Java-based automation components for customer-facing security and cloud applications.
- Built API and UI automation workflows for critical application functionality using Java, REST APIs, Playwright, and TestNG.
- Validated microservice integrations, API behavior, authentication, authorization, input validation, and error handling.
- Investigated application issues using logs, API behavior, service interactions, and debugging techniques.
- Performed security validation using Burp Suite and Nessus and collaborated with engineering teams to investigate and remediate vulnerabilities.
- Improved automation framework maintainability through reusable components, code reviews, and framework enhancements.
- Contributed to continuous improvement of automated test frameworks and testing efficiency through framework enhancements and automation code reviews.

Jio Cloud XP – Hybrid Cloud Management Platform (Jio Platforms Limited)

Jan 2024 – May 2025

- Worked on automation and validation of a distributed hybrid cloud management platform consisting of cloud services and microservice integrations.
- Developed reusable Java-based solutions for functional, integration, regression, and end-to-end workflows.
- Validated REST APIs and service integrations across distributed components.
- Performed performance and load testing using JMeter to evaluate application stability, scalability, and reliability.
- Analyzed application logs and performance metrics to identify errors, bottlenecks, and system-level issues.
- Collaborated with developers and product teams to understand requirements and improve platform reliability.

CERTIFICATIONS and ACHIEVEMENTS

- [Akamai Cloud Computing Foundations Certification](#)
- [ISTQB® Foundation Level](#)
- [Hacker Rank SQL Certification](#)
- [Certified Secure Programmer](#)
- [Docker Fundamentals](#)
- [AZ-900 Certifications](#)
- [Qualified JEE 2019 – \(95.675 percentile\)](#)
- [Qualified GATE 2024 AIR-768](#)

EDUCATION

Indian Institute of Technology Patna MTech. in Computer Science and Engineering (Cloud Computing) CGPA: 9.18	Aug 2026 - Present
College of Engineering Pune <i>B.Tech. in Computer Science and Engineering</i> CGPA: 8.78/10	Aug 2019 – Jun 2023
Allen Career Institute Kota, Rajasthan Joint Entrance Examination Preparation	July 2018 – July 2019
St Joseph's Convent School Shivpur Varanasi Higher Secondary Education (ISC Board) Percentage: 87	Apr 2017 – Jun 2018
St Joseph's Convent School Shivpur Varanasi Senior Secondary Education (ISC Board) Percentage: 92	Apr 2015 – Apr 2016