DIPTI SHEVALEKAR

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WORK EXPERIENCE

Software Development Engineer | *Metamorphick Solutions Private Limited | Mumbai, MH*   **Jan 2023 - Aug 2023**

- Developed a custom automation framework for a CAD product using Python, automating key testing workflows and improving test coverage by 75%, which reduced manual testing efforts and shortened product release cycles by 35%
- Automated build and deployment in Azure DevOps using YAML, enabling seamless code deployments upon merges or pull requests, reducing deployment time by 85%
- Deployed a Python monitoring tool to track system performance across environments, improving 25% operational efficiency
- Led a 3-member team and collaborated with the client to provide end-to-end support for the CAD design system, ensuring 99% uptime and meeting all SLAs

Software Engineer | *Fidelity National Information Services| Pune, MH*   **Nov 2020 - Jan 2023**

- Engineered robust Selenium-based automation frameworks in Java, automating 3,000+ regression test cases, which cut test execution time by 60% and reduced manual effort by 45%
- Enhanced Test-Driven Development practices, optimizing test cases to reduce testing costs by 25%
- Set up reusable components in the backend for generic functionalities like pagination/searching/sorting along with its reusable generic components in Java on the automation front
- Architected Java and Spring Boot-based REST APIs, creating a framework that enhanced user cash flow optimization and portfolio balancing by 90%
- Devised Git-powered CI/CD deployment for automation framework, reducing 40% of the deployment time
- Collaborated with cross-functional teams in an agile environment to design and deliver robust, secure API solutions, leveraging Scrum methodology to ensure timely delivery and continuous improvement

Full Stack Developer Intern | *Persistent Systems Limited | Pune, MH*   **Jan 2019 - Jul 2019**

- Crafted a web-based health records application, increasing user accessibility by 50% and optimizing data management efficiency by 40%
- Rewrote an existing dashboard as a new microservice using NodeJS, Express.js, HTML5, CSS, and PostgreSQL, implementing performance optimizations like background jobs for caching frequently accessed data, which led to a 1800% reduction in page load times

TECHNICAL SKILLS

- **Languages:**   Java, Python, JavaScript, TypeScript, SQL (PostgreSQL, MySQL, MongoDB), HTML/CSS
- **Software/Frameworks:**   Spring Boot, Kubernetes, REST, NodeJS, Angular, jQuery, Jenkins
- **Developer Tools:**   Git Version Control, Docker, JIRA, Google Cloud Platform, Azure DevOps, Visual Studio, IntelliJ

PROJECTS

CloudNode | *Linux, NodeJS, GCP, Terraform, Packer, MySQL, Networking*   **Jan 2024 – Apr 2024**

- Developed a web application with multiple REST APIs using NodeJS and ExpressJS, hosted on Google Cloud Platform (GCP)
- Automated resource deployment and management on GCP, including regional Key Ring setup and customer-managed encryption keys for VMs, CloudSQL, and Cloud Storage
- Constructed a CI/CD pipeline using GitHub Actions and Packer to build images, store them in GCP Cloud Bucket, and utilize Instance Templates to deploy updates seamlessly without service interruptions

CodeAB | *JavaScript, React, MongoDB, HTML/SASS, Bootstrap, JQuery*   **Oct 2023 – Dec 2023**

- Designed a collaborative programming platform enabling seamless multi-player coding sessions across various programming languages
- Translated designs into responsive web applications using JavaScript, Next.js, and MaterialUI, enhancing usability and performance, leading to a 25% reduction in page load times

EDUCATION

MS in Information Systems | *Northeastern University, Boston, MA | GPA- 3.78*   **Sep 2023 - May 2025**
Coursework: Network Structures & Cloud Computing, Web Design and User Experience, Application Engineering and Development, Program Structures and Algorithms (Python)

B.Tech in Computer Engineering **|** *University of Pune, Pune, MH | GPA- 3.7*   **Jul 2016 - Oct 2020**
Coursework: Data Structures in C, Object Oriented Programming (C++), Operating Systems, Database Management System, Design & Analysis of Algorithms (Java), Cloud Computing (AWS), Agile Development, Machine Learning