

Nikhil Vijay Yadav

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WORK EXPERIENCE

Barclays

Software Development Engineer

Pune, India

May 2022 - Dec 2023

- Designed OpenAPI Specification and developed the entire Personal Customer Change of Address and Close Account Domain Java REST APIs consumed across multiple channels.
- Developed UI React component screens for colleagues and online retail banking channel.
- Multithreaded processing of customer address data retrieval and update across multiple downstream systems including bank accounts and credit cards resulting in **70%** reduction in response time and **80%** reduction in manual efforts to sync addresses across multiple systems.
- Interacted with stakeholders to prioritize requirements and align them with organizational goals using project management tool like Jira.

Tata Consultancy Services

Software Development Engineer

Pune, India

Sep 2020 - May 2022

- Worked as a Python Backend Developer for well driven Australian Bank on their Margin Lending Report Generation Application.
- Migrated over 100 legacy SQR Scripts to Python, enhancing system performance and reducing batch job execution time by **60%** through the generation of PDF, CSV, Text, and XML Reports.
- Worked on Linux (RHEL) platform and modified existing shell scripts to make them compatible with the new python scripts.

Cradiant IT Services Pvt. Ltd

Software Development Engineer Intern

Pune, India

Jan 2020 - June 2020

- Contributed to the development of Java API endpoints using the Spring Boot framework, collaborating with cross-functional teams to design and optimize them resulting in **60%** enhancement in the overall efficiency of the portal.
- Actively debugged and conducted comprehensive testing of API functionality using Karate Testing. This effort resulted in the identification and resolution of issues, thus reducing the potential setbacks by **50%**.

PROJECTS

Social-Stitch. ([link](#)) [Typescript](#) | [Next.js](#) | [Node.js](#) | [Postgres](#) | [Clerk](#) | [Tailwind](#)

January 2023 - March 2023

- Developed a comprehensive social networking application, encompassing functionalities such as posts, communities, invitations, and group sharing. To enhance user experience, I implemented real-time notifications for prompt updates on all post-related activities, while ensuring secure user authentication through Clerk and OAuth.

CoDev Space. ([link](#)) [Web Sockets](#) | [React](#) | [Redux](#) | [Node.js](#) | [MongoDB](#) | [Express](#)

July 2022 - September 2022

- Crafted an collaborative online Python coding IDE using React and Web Sockets enabling real-time code creation and execution, featuring live collaboration through shared coding rooms, fostering seamless teamwork among users..

Route Tracker. ([link](#)) [React Native](#) | [Node.js](#) | [MongoDB](#) | [Express](#)

June 2021- September 2021

- Developed a React Native mobile app harnessing GPS capabilities to track and record routes, storing them in MongoDB for review, distance tracking, and implementing comprehensive user authentication.

EDUCATION

Arizona State University

Master of Science in Computer Science;

Tempe, AZ

Jan 2024 - Dec 2025

Courses: Data Mining, Machine Learning, Data Visualization, Knowledge Representation and Reasoning

Savitribai Phule Pune University

Bachelor of Computer Engineering; **CGPA: 9.27/10.0** (top 1%, Class of 2020)

Pune, India

August 2016 - May 2020

Courses: OOP, Web development, Database Management System, Artificial Intelligence, Data Structures & Algorithms

SKILLS

Languages : Python, JavaScript(ES5/ES6), TypeScript, C, C++, HTML, CSS, JSON, XML, Shell Scripting.

Technologies and Frameworks : Java Spring Boot, REST APIs, React, GraphQL, OpenShift, Junit, Mockito, Karate Testing, Machine Learning, Data Science, SonarQube.

Tools : Microsoft PowerPoint, Microsoft Excel, Microsoft Word, AppDynamics, Tableau, Power BI, Google Colab, JIRA, Confluence, Kibana, Jupyter Notebook.

Database : MySQL, PostgreSQL, NoSQL, Sybase, Oracle.

Version Control : Git & GitHub, BitBucket, SourceTree.

Skills : Agile, Web Development, Unit testing, Scalable Multithreaded Architecture, Micro-services, CI/CD.

Soft Skills : Communication (verbal and written), Leadership, Collaboration, Mentorship.

ACHIEVEMENTS & ACTIVITIES

- Recognized by the Head of Engineering at Barclays in the Account and Customer Servicing Team for delivering high-quality results and executing Phase 1 of the NorthStar Change of Address Project with excellence.
- Awarded TCS Applause and On the Spot Award for rapid learning and timely, high-quality delivery. Recognized for leadership in the Nexus SQR to Python Migration Project.
- Published a technical paper on [Twitter Sentiment Analysis using Machine Learning for Product Evaluation](#) in IEEE at the 5th International Conference on Inventive Computation Technologies (ICICT).
- Achieved the Academic Excellence Award for securing the top position with an SGPA of 9.8/10 and additionally recognized as the university rank-holder during the academic year 2016-2017.