Swapnil Bade

+1 934-263-2991 | swapnilpandura.bade@stonybrook.edu | https://www.linkedin.com/in/swapnilbade/

EDUCATION

Stony Brook University   Stony Brook, NY
Master of Science in Computer Engineering   *Aug. 2023 – Present*
- Coursework: Distributed Systems, Computational models, Digital Image Processing.

University of Pune   Pune, MH
Bachelor of Engineering in Electronics and Telecommunication   *Aug. 2016 – May 2020*
- Coursework: Data Structures and Algorithms, Operating Systems, Machine learning.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, C++, HTML, CSS.
Technologies/Frameworks: React.JS, Django, Spring boot, AWS, MySQL, SQLite, ORM, DRF, JSX, Redux.
Tools: Azure Kubernetes (AKS), Git, Docker, VS Code, Eclipse, Selenium, TestNG, Maven
Skills: Microservices, Full Stack Development, Object-oriented Programming, Software Development Life Cycle(SDLC)

EXPERIENCE

Accenture   Jan 2021 – Jul 2023
Application Development Analyst   *Pune, MH*
- Crafted responsive design principles to ensure a consistent user experience across devices and integrated state management using Redux, resulting in improved application performance and a 30% reduction in boarding time.
- Developed reusable React components, enhancing the overall maintainability of the codebase.
- Engineered high-performance RESTful APIs using frameworks such as Spring Boot, and Django, facilitating seamless data transfer in client-desired JSON format and enhancing overall system performance.
- Familarity with design architectures like MVC, MVT, and Microservices. Integrated third-party APIs.
- Contributed to the design of the database schema and created stored procedures, views, and sequences in MySQL.
- Integrated UI components with RESTful web services, leading to a seamless user experience.
- Incorporated cron-based Spring schedulers for periodic job triggers improving system performance by 40%.
- Engaged collaboratively with diverse teams for strategic planning and gathering of requirements from stakeholders.

UBT Technologies   Sep 2018 – Feb 2019
Software Developer Intern   *Pune, MH*
- Constructed a microservice application that allows to create users, register hotels, and send feedback.
- Developed distinct services for modular functionality, ensuring seamless client-server communication through Eureka dependency.
- Introduced diverse databases for various services and ensured fault tolerance in microservices through the integration of a circuit breaker and rate limiter.

PROJECTS

Fault-Tolerant Key value Store | *C++, Distributed Systems*   Aug 2023 – Dec 2023
- Developed a resilient key-value store with RAFT consensus for data reliability, high availability, and system resilience. Achieved fault tolerance and seamless 2x data replication.
- Implemented key-based sharding for enhanced parallelization, reducing RPC overhead by 50%.

UDAN Application | *Java, Spring-Boot, MySQL, RestAPI, React JS, Node JS*   Nov 2019 – Jan 2020
- Led the conception and development of the web application UDAN, which delivers a comprehensive suite of flight-related functionalities, including seamless ticket booking and detailed booking information retrieval
- Employed cutting-edge technologies such as Spring Boot for the back end and React JS for the front end, orchestrating a harmonious integration to ensure a robust and user-centric web experience.

ACHIEVEMENTS

- Team leader for E-yantra national level competition where being among top 10 teams in India.
- General Secretory of Electronics and Telecommunication department at Pune University.