NAKITA RAMACHANDRA PUROHIT

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SUMMARY

MS Computer Science student (4.0 GPA) with 4+ years of professional experience in software engineering, cloud-based solutions, and digital transformation. Proven success in driving measurable impact, including a 35% boost in API performance and 40% reduction in downtime through cloud microservices. Experienced in leading cross-functional teams, aligning technology initiatives with business objectives, and delivering data-driven IT solutions

EDUCATION

West Chester University of Pennsylvania **May 2026**
MS, Computer Science
- **GPA:** 4

KLS's Vishwanath Rao Deshpande Institute of Technology **Jul 2019**
BE, Electronics and Communication
- **GPA:** 3.34

PROFESSIONAL EXPERIENCE

Carelon Global Solutions **Jan 2023 - Oct 2023**
Software Engineer *Bengaluru, India*
(Subsidiary of Elevance Health, formerly Anthem, Inc.)
- Engineered RESTful services in Java to enhance API performance by 35%, contributing to innovative healthcare solutions across 19 applications and demonstrating proficiency in distributed system design.
- Developed and maintained Splunk dashboards and alerts to monitor API performance and system health, leveraging data analysis to identify optimization opportunities and boost proactive issue detection by 20%.
- Automated data validation and transformation processes using Java 17 and Spring Boot, reducing manual efforts by 25% and ensuring high data accuracy while working in an agile, fast-paced environment.
- Collaborated in deploying microservices with cloud-based solutions, achieving a 40% reduction in downtime during system migrations and emphasizing scalable, fault-tolerant system architectures.
- Optimized deployment efficiency by integrating Bitbucket and Udeploy, resulting in reduced manual errors in code integration and supporting high-quality software delivery.
- Analyzed and resolved issues in Jira, reducing bugs during sprints by 15% and ensuring continuous improvement in collaborative development.

NTT DATA Services **Dec 2019 - Jan 2023**
Info Technology Analyst *Bengaluru, India*
- Developed and maintained Java-based web applications using Spring Boot, enhancing application response times by 30% and contributing to scalable, multi-tiered system solutions.
- Achieved 100% code coverage through unit testing on legacy modules using Power Mockito, ensuring robust and high-quality software performance.
- Documented API endpoints in Swagger UI and assisted in creating Java microservices to meet business requirements, reinforcing object-oriented design principles.
- Modified in-house applications leveraging Machine Learning and NodeJS, showcasing adaptability and proficiency in diverse technology stacks.
- Managed data operations using MongoDB and MySQL, supporting effective storage solutions and efficient data retrieval in distributed environments.
- Deployed code changes using Git and Jenkins, minimizing integration errors and maintaining continuous delivery in an agile setting.
- Incorporated feedback from code reviews to enhance functionality, design, and performance, fostering a culture of collaborative problem-solving.

West Chester University **Jan 2025 - Current**
Graduate Assistant *West Chester, PA, USA*
- Assisted with the IRB approval process using Cayuse by attending monthly IRB meetings and documenting follow-up actions.
- Supported event planning for Research and Creative Activity Day, SURI, and other ORSP initiatives, ensuring smooth operational execution.
- Provided research and administrative support, maintaining organized records and assisting in project execution to meet academic deadlines.
- Utilized Microsoft 365, Qualtrics, and Teams to enhance team collaboration and streamline productivity in daily tasks.
- Working on research paper with professor on the research paper “Energy-Efficient Real-Time Scheduling of DAG Tasks on Heterogeneous Multi-Core Platforms”.

PROJECT

Traffic Control Signal with Emergency Override **Jan 2019 - Jul 2019**

- Led a team of 5 members in developing a traffic control system aimed at reducing congestion and ensuring priority passage for emergency vehicles.
- Explained the project and its impact on academic supervisors and government bodies, such as the Karnataka State Council for Science and Technology (KSCST).
- Documented the project extensively, detailing the design, implementation, and testing phases.
- Installed sensors to monitor traffic flow, adjusting signal timing using Raspberry Pi and Python programming.
- Utilized RF transmitters and receivers to detect emergency vehicles near signals.
- Presented data visualization using Matplotlib to showcase traffic flow patterns.

TECHNICAL SKILLS

- **Programming Languages**: Java, C, C++, Python, HTML5, CSS, JavaScript
- **Frameworks/Environment/Libraries**: Spring, Spring MVC, Spring boot, Microservices, Java (8, 11,17), Junit/Mockito, Pandas
- **Databases**: SQL, MongoDB
- **Web Services**: REST API, AWS Services (S3, Lambda, EC2, IAM)
- **Configuration Management**: GIT, JENKINS, Bitbucket, Udeploy
- **Tools**: VS CODE, IntelliJ, Eclipse, POSTMAN, SQL Developer, Jira, Splunk, Jupyter Notebook

AWARDS AND ACHIEVEMENTS

- **Best Performer, NTT DATA (2022)**: Acknowledged for consistently meeting performance goals and supporting project objectives effectively.
- **KSCST Project Selection (2019)**: Traffic Control Signal project was selected for KSCST's Student Project Program for its innovation and social impact.