NIKHIL BATHINI

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Education

State University of New York, Binghamton, NY	Jan 2022 – May 2024
Master of Computer Science	*GPA: 3.4/4.0*
Gokaraju Ranjaraju Institute of Engineering and Technology , Hyderabad	Jul 2016 – Sept 2020
Bachelor of Technology in Computer Science and Engineering	*GPA : 8.5/10*

Technical Skills

Languages: Java, JavaScript, Python, C, C++, React.js, Node.js, .Net
Web and Backend Technologies: Spring, Spring Boot, JSP, JMS, Django, SOAP/REST, Angular
Cloud Platforms: AWS, Azure
Databases: MySQL, PostgreSQL, MongoDB, Cloudant
Web Development Tools: HTML, CSS, JavaScript, jQuery, Bootstrap, JSON, AJAX
APIs and Integrations: RESTful APIs, GraphQL, SOAP, API Gateway
Version Control: Git, GitHub
Security and Networking: PCI Compliance, OWASP standards, Sockets, TCP/IP, UDP
DevOps and CI/CD: Jenkins, Maven
Testing and Diagnostics: Postman, SOAPUI, HTTP Analyzer, Dynatrace

Experience

Assistant System Engineer   Jan 2020 - Dec 2021

RealPage

- Developed secure RESTful APIs using Java and Spring Boot to support backend services and enable real-time data exchange between systems, ensuring robust and secure application performance for enterprise-level applications.
- Optimized database queries for high-performance enterprise applications by analyzing large datasets using SQL, significantly enhancing system efficiency and response times.
- Collaborated with cross-functional teams including HR and technical departments to deliver data-driven solutions, integrating performance data into centralized systems for better business decision-making.
- Designed and implemented API-based dashboards to automate data processing, reducing manual efforts and providing real-time data access, improving operational efficiency and business insight.
- Automated workflows using Python scripts, ensuring the accuracy and consistency of data across backend services, aligned with security standards like OWASP.
- Performed code audits and performance testing to identify inefficiencies and ensure compliance with security best practices, improving backend service reliability and scalability.
- Implemented real-time data processing solutions by integrating external API data into backend systems, enabling instant access to key performance metrics and improving user experiences.
- Developed forecasting and trend analysis logic using Java and SQL to support strategic decision-making, optimizing application performance in line with industry best practices.
- Led process improvement initiatives, enhancing development cycles through the application of Agile methodologies and systems thinking, streamlining API deployment and reducing cycle time.
- Enhanced security and compliance by scrutinizing applications for adherence to PCI Compliance and OWASP standards, ensuring data protection and risk management in line with industry regulations.

Junior Web Developer   Apr 2019 – Dec 2019

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- Developed and maintained responsive web applications using React and JavaScript, enhancing user experience with dynamic interfaces.
- Implemented user-friendly features and components, ensuring seamless navigation and functionality across the platform.
- Collaborated with designers to transform UI/UX designs into functional web pages while leveraging CSS and Bootstrap for

design consistency.
- Conducted code reviews and actively participated in team meetings to contribute to continuous improvement and knowledge sharing.
- Integrated RESTful APIs to fetch and display data, ensuring real-time updates and leveraging JavaScript for dynamic content rendering.
- Utilized Git for version control and collaborated with the team through pull requests and code reviews.

Projects

Task Management Application   Jan 2023 - May 2023
- Developed a **web-based task management application** that allows users to create, manage, and track tasks with deadlines and priorities.
- Utilized **Java** and **Spring Boot** to create a RESTful API for task management, enabling smooth interaction between the front-end and back-end.
- Implemented a **MySQL** database for data persistence and used **Maven** for project management and dependencies.

Predictive Analytics for Employee Retention   Aug 2022 - Dec 2022
- Implemented statistical models in R and Python to predict employee attrition, analyzing historical data to create a predictive framework with 80% accuracy.
- Visualized trends and predictions using Tableau, presenting findings to HR stakeholders for decision-making.

Certifications
- **Database Programming with SQL** (Oracle)
- **MTA Networking Fundamentals** (Microsoft)