

Akash R. Rasal

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EDUCATIONAL QUALIFICATION

Binghamton University

Expected May '24

Master of Science, Computer Science (GPA 3.96/4.00)

Savitribai Phule Pune University, Pune, India

Aug '16 - May '20

Bachelor of Engineering, Computer Engineering (GPA 8.73/10.00)

TECHNICAL SKILLS

Proficient Languages : Java, PL/SQL, JavaScript, C++, C, HTML5, CSS
Languages Known : Python, Typescript, Postgres, Angular, React.js, Node.js, VBScript, PHP, Google Firebase, MongoDB
Tools & Technologies : Spring Boot, Docker, Kubernetes, Kafka, REST API, GCP, Express JS, Gitlab, Agile, Datadog, Kibana, Jira, Automation Anywhere Tools, Power Automate, Power Apps, SAP

TECHNICAL COURSES ENROLLED

Design Patterns, Web Technologies, Cloud Computing, Design and Analysis of Algorithms, Programming Languages, Computer Security, Database Systems, Operating System, Computer Architecture, Data Science Pipeline

PROFESSIONAL EXPERIENCE

SoFi | California, USA

June '23 – Aug '23

Software Developer Intern

- Developed a new feature to display user it's login history, enhancing user security and transparency for ~5.6M users
- Engineered efficient REST API's using Java with Spring Boot, filtering ~100M records and paginating response in 90ms
- Achieved an optimized integration of data from Kafka queue into PostgreSQL database for ~100 request/s
- Created React.js page within existing application to visualize user login data, improving user experience and accessibility

Schlumberger | Pune, India

Sept '20 – July '22

RPA Software Developer

- Architected and automated HR letter generation process for 2 countries using Java, Python, SAP and MS Power Apps - resulting in annual savings of ~\$7M for organization
- Spearheaded a shipment creation system to simplify it by 70% and boosting user efficiency by 50%
- Collaborated with a cross-functional team in agile environment to generate 40+ financial reports using Java, and SAP reducing analysis time by 25%
- Trained 60 non-technical employees in Microsoft Power Platform, improving daily efficiency of operations by 20%

IIT Bombay | Pune, India

June '18 – Sept '18

Developer

- Revamped the Outreach portal by applying OOP concepts and PHP, including system redevelopment, unit testing, and portal launch catering 40+ colleges

ACADEMIC PROJECTS

Sensor Tracking Web App

Sept '23 – Nov '23

- Developed and built data management system for sensors with TypeScript, MongoDB, and React.js, enabling efficient data storage, manipulation, and visualization
- Performed thorough test suites ensuring system reliability across diverse conditions covering 70% of code

Cloud Based Online Compiler

Feb '23 – May '23

- Crafted a scalable cloud-native compiler platform with Java Spring Boot microservices and RESTful APIs
- Containerized microservices using Docker and orchestrated with Kubernetes for efficient deployment and management
- Leveraged GCP for scalable data storage – Google MySQL for user data, GCP Cloud Storage for files

College Itinerary Planner

Oct '22 – Nov '22

- Built an itinerary planner for college visits following SOLID design principles and identified and implemented Builder design pattern

SPArK - Android Instant Messenger Application

Aug '18 – Nov '18

- Engineered a feature-rich instant android messaging application in Java for android and launched it on Google Play store having 5000+ downloads

ACHIEVEMENTS

- Teaching Assistant** for 'Architecture from Programming Perspective' at Binghamton University, 180+ students
- Student Assistant** to create university application portal – worked on Express JS and React.js assisting 100+ faculty members
- Published **research paper** in 2022 IEEE Global Engineering Education Conference - SPArK-Bot: An Educational Robotic platform