ANKU SHARMA

Java Full Stack Developer

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PROFESSIONAL SUMMARY

A passionate **Full Stack Developer** with experience in building scalable web applications using **Java, ReactJS, Node.js**, and **Spring Boot**. Skilled in developing secure **RESTful APIs**, integrating **AWS** and **Docker** for scalable cloud solutions, and optimizing **PostgreSQL** and **MongoDB** for efficient data management.

With hands-on experience at **Mastercard**, **Sweat Equity Systems**, and **Accenture**, I have successfully delivered high-performance applications, utilizing technologies like **OAuth 2.0**, **microservices**, and **CI/CD pipelines**. Adept in **Agile** methodologies, I focus on creating seamless user experiences while ensuring robust backend solutions.

TECHNICAL SKILLS

Programming Languages: Python, SQL, R, JavaScript, Java, PHP, C++
Front-End: ReactJS, HTML, CSS, Bootstrap, Angular
Back-End: NodeJS, Flask, Django, CucumberJS, Spring Boot, Hibernate, RESTful APIs, Microservices
Cloud/Technologies: AWS (S3, Lambda, EC2, IAM, RDS, CloudFront, VPC, SNS, SQS, KMS, Secrets Manager, Athena), AWS AI (Lex, QnA, Comprehend, Transcribe, Translate, Polly, Forecast, SageMaker), Azure (DevOps, Databricks, ARM, Blue-Green Deployment), Docker, Kubernetes
Databases: SQL Server, Snowflake, PostgreSQL/MySQL, ADABAS, MongoDB
Tools/CI&CD: Pub/Sub, Kafka, NATS, Fluentd, Jenkins, Git, GitLab, Bitbucket, Terraform, Prometheus, Grafana, Selenium, TDD, BDD, CI/CD Pipelines, VS, Atlassian Confluence, Ansible, Maven, EMANE, Helm, Gradle/POM
Operating Systems: Linux (CentOS/Oracle Linux 9), Windows, Ubuntu
Methodologies: Agile/Scrum

WORK EXPERIENCE

Mastercard, NY   **Jun 2024 – Present**
Java Full Stack Developer

- Developed **and optimized client-facing applications** using **ReactJS**, **Node.js**, and **PostgreSQL**, integrating secure authentication and **GraphQL APIs**, enhancing user engagement.
- **Designed and implemented RESTful APIs** using **Spring Boot** and **Node.js**, ensuring efficient data retrieval and secure communication between front-end and back-end.
- **Integrated AWS services** (S3, EC2, RDS) to improve system scalability and optimize data processing, enhancing overall application performance.
- **Built microservices-based architecture** leveraging **Spring Boot** and **Docker**, enabling seamless deployment and maintaining application performance across environments.
- **Developed responsive user interfaces** using **ReactJS** and **Bootstrap**, significantly improving user experience and accessibility across multiple devices.
- **Optimized database performance** with **PostgreSQL**, reducing data retrieval times and enhancing overall application performance.
- **Implemented continuous integration and deployment (CI/CD) pipelines** using **Jenkins** and **Git**, streamlining development processes and ensuring rapid feature releases.
- **Enhanced application security** by incorporating **JWT authentication** and **OAuth**, safeguarding sensitive data and ensuring reliable access control.

Sweat Equity Systems, FL   **Jul 2023 – Dec 2023**
Software Engineer

- Developed and optimized **OAuth 2.0 authorization flows** with **TypeScript** and **Google API's Client Library**, integrating **Gmail API** for seamless authentication and secure token management.
- Engineered an **event-driven notification system** using **Firebase Cloud Messaging**, **Cloud Functions**, and **Twilio APIs**, enhancing real-time messaging and boosting user retention by **30%**.
- Spearheaded the development of **messaging system** for a **fitness app**, collaborating with the **founder** and integrating **Twilio's SMS/WhatsApp APIs**, resulting in a **30% increase in daily active users.**

Accenture, India   **Nov 2020 – Aug 2022**
Software Engineer

- Constructed **a secure and user-friendly cash tracking portal** using **Java** and **Spring Boot**, leveraging **Spring MVC** for building web applications and handling HTTP requests and responses.

- **Employed Spring Security framework** for authentication and authorization, enhancing data privacy and access control, reducing unauthorized access by 40%, and improving data protection.
- **Integrated the application with PostgreSQL** using **Spring Data JPA**, designing and implementing database schemas, writing complex SQL queries, and fine-tuning database indexing to optimize performance.
- **Architected REST APIs** using **Spring V5** to validate data and provide backend support for a payment gateway, ensuring secure transactions and reliable performance.
- **Led a team of 3** in revamping the **Report Delivery and Access Management platform**, performing code refactoring, resolving 70+ bugs, introducing caching mechanisms, and boosting database query efficiency by 50%.
- **Created automated tests** for 5 client software projects using **Selenium**, **Appium**, **Postman**, and **JMeter**, ensuring software quality and performance through comprehensive testing frameworks.
- **Developed a robust microservices architecture** using **Spring Boot** and **Docker**, enabling scalable, resilient, and easily deployable services with minimal downtime.
- Integrated **AWS services (EC2, RDS)** for application hosting and data storage, improving cloud infrastructure performance and reducing overhead costs.
- **Implemented logging and monitoring solutions** using **SLF4J** and **ELK stack**, ensuring proactive identification of system issues and improving response times for production support.
- **Collaborated with cross-functional teams** in **Agile environments**, ensuring seamless communication between front-end, back-end, and QA teams, delivering high-quality software solutions on time.
- **Optimized application performance** by analyzing and improving system architecture, applying efficient algorithms, and reducing response time by refactoring key components.

KPMG, India   **Aug 2019 – Oct 2020**
Full Stack Developer
- **Developed scalable backend services** with **Node.js** and **Express.js**, ensuring efficient data processing and API performance.
- **Created responsive front-end features** using **React.js** and **JavaScript**, improving the overall user interface and experience.
- **Collaborated with cross-functional teams** to implement new features and resolve bugs in **JavaScript** and **Node.js** applications.
- **Worked with MongoDB and PostgreSQL databases** to design and implement database schemas, ensuring data integrity and efficient queries.
- **Built and maintained REST APIs** using **Express.js** and **Spring Boot**, ensuring smooth communication between front-end and back-end systems.
- **Implemented secure user authentication** with **JWT** to safeguard application access and improve data privacy.
- **Deployed web applications** to production using **AWS EC2** and **Docker**, ensuring smooth and scalable deployments.
- **Participated in Agile sprints**, contributing to development tasks, conducting code reviews, and enhancing team collaboration.

Delhi Transco Limited, India   **May 2019 – July 2019**
Software Engineering Intern
- Refactored **React components** with **hooks, memoization, and virtualization**, improving **rendering performance by 20%**.
- **Boosted front-end performance** using **code splitting, lazy loading, and minification**, reducing **website load time by 4 seconds**.

ACADEMIC PROJECTS

ClipMate - Chrome Extension | *JavaScript, HTML, CSS, Chrome Extensions API*
- Designed and built a **Chrome extension** for **efficient clipboard management**, integrating **real-time search**, **item deletion**, and **browser storage**, enhancing **productivity** and cutting **manual effort by 90%**.
- Formulated an **email-sharing feature** for sharing data with **dynamic form submissions**, **serverless architecture**.

WhatsApp Bot | *Python, Flask*
- Developed a **WhatsApp chatbot** that searches the web using the **googlesearch library** and delivers the **top 3 results** via **Twilio API**, ensuring **97% accuracy** while eliminating the need to switch applications.

Delivery Management System: B-Town Dash **|** *React, Node.js, JavaScript, MongoDB*

- Orchestrated and refined **dashboards** for a **delivery management system**, enhancing **customer experience** with **seamless order tracking** and **real-time feedback**, potentially reducing **cancellations by 50%**.
- Pioneered **UI component development** with **React**, **backend integration**, and **elevated website performance**.

EDUCATION

Indiana University, Bloomington, IN   **May 2024**
Master of Science in Computer Science

Amity University, Noida, India   **May 2020**
Bachelor of Technology in Computer Science and Engineering