SUDHANSHU CHOUDHARY

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PROFESSIONAL SUMMARY

Software Engineer with over 4 years of experience designing, developing, and deploying scalable web and cloud applications. Skilled in Java, Python, JavaScript, and TypeScript with strong expertise in AWS, CI/CD automation, and infrastructure as code. Experienced in building RESTful APIs, data pipelines, and containerized microservices using modern DevOps practices. AWS Certified Developer with a Master's in Computer Science and a proven ability to deliver secure, reliable, and data-driven systems across full-stack, backend, and cloud environments.

PROFESSIONAL EXPERIENCE

Software Engineer | Zant, Hoboken, NJ, USA   **October 2024 – Present**
- Developed a production-grade mental health platform using React.js, TypeScript, Next.js, and AWS, improving page load time by 35 percent.
- Built and integrated secure authentication using OAuth 2.0 and JWT for third-party access management.
- Created and optimized RESTful APIs and microservices using Node.js, Express.js, and AWS Lambda for real-time data delivery.
- Implemented CI/CD automation with Jenkins and GitHub Actions to streamline build, test, and deployment pipelines.
- Deployed Dockerized applications on AWS EC2 and monitored services through CloudWatch dashboards and Splunk alerts.
- Wrote unit and regression tests using Jest, JUnit, Selenium, and Cypress integrated into CI/CD workflows.

Software Engineer | Alliant Infotech, Indore, India   **August 2021 – July 2022**
- Designed and deployed a full-stack employee management platform using React.js, Node.js, Express.js, and Spring Boot to reduce manual HR tasks by 40 percent.
- Developed and maintained backend services in Java and Python with SQL and PL/SQL queries for payroll and analytics.
- Migrated 500K employee records from Oracle to AWS RDS (MySQL), improving query performance by 45%.
- Automated infrastructure provisioning and configuration using Terraform, CloudFormation, and Ansible for AWS resources.
- Built CI/CD pipelines using Jenkins, GitHub Actions, and Docker for zero-downtime deployments across multiple environments.
- Configured monitoring and alerts with AWS CloudWatch and Splunk to reduce mean time to resolution by 60 percent.

Software Engineer | Trafiksol ITS Technologies, Noida, India   **July 2019 – July 2021**
- Built real-time traffic dashboards and analytics tools using React.js, TypeScript, and Next.js, improving operational visibility by 30 percent.
- Developed scalable REST APIs using Node.js, Express.js, Flask, and FastAPI to process live data from traffic sensors and cameras.
- Deployed backend services on AWS EC2, Docker, and Kubernetes EKS clusters for high availability and scalability.
- Automated data processing and reporting using Python, Pandas, and NumPy scripts integrated with SQL and PL/SQL databases.
- Implemented AWS CloudWatch monitoring, alerting, and automation scripts in Bash to maintain continuous uptime.
- Applied Agile practices with Jira and Confluence for sprint planning, issue tracking, and release documentation.

EDUCATION

Monroe University, New York, NY   **September 2022 – August 2024**
Master of Science in Computer Science (GPA - 3.81 / 4.0)
Courses: Cloud Computing, Object-Oriented, Computer Security & Privacy, Operating Systems, Database Systems.

Rajiv Gandhi Prodyogiki Vishwavidyalaya, Bhopal, India   **July 2017 – August 2021**
Bachelor of Technology in Information Technology

CERTIFICATION

AWS Certified Developer – Associate | Amazon Web Services (AWS)   **July 2025 – July 2028**
Credential ID: e46cbd6db75d439b8bcf21e542cdc2c8
Verification: https://aws.amazon.com/verification

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript (ES6+), TypeScript, SQL, PL/SQL, Bash, C++
- **Frameworks & Libraries:** React.js, Node.js, Express.js, Next.js, Spring Boot, Flask, FastAPI, Pandas, NumPy
- **Cloud & DevOps:** AWS (EC2, S3, RDS, Lambda, CloudWatch, IAM), Terraform, Ansible, Jenkins, GitHub Actions, Docker, Kubernetes (EKS), Linux, CI/CD Pipelines, CloudFormation, Splunk
- **Databases:** MySQL, PostgreSQL, MongoDB, Oracle Database, AWS RDS, DynamoDB, Snowflake, Redshift
- **Testing & Automation:** Postman, Newman, Jest, PyTest, JUnit, Selenium, Cypress
- **Version Control:** Git, GitHub, Jira, Confluence, Agile, Scrum