(343)-558-4387
meetshukla.resume@gmail.com

Meet Shukla

Software Engineer/ Devops

LinkedIn
Portfolio

Experience

Software Engineer Intern, Trend Micro, Ottawa, Canada **May 2023 — Dec 2023**

2nd Term Sept-Dec 2023:

- Key contributor in Trend's flagship cloud risk management frontend, **collaborating across functions with 2 teams including UX designers and back-end developers** to bridge design-implementation gaps while creating a new product from scratch.
- Translated complex Figma designs into **15+ react components**, ensuring pixel-perfect accuracy for seamless user experience.
- Leveraged advanced technologies like React Query, React Table, and Typescript to build a responsive user interface, resulting in a **30% improvement in page load times** and overall user satisfaction.

1st Term May-Aug 2023:

- Part of the 5 member team creating a microservice for Trend Micro's flagship product, Deep Security, focusing on the Integrity Monitoring functionality, daily tasks involves **transforming legacy code into new implementations.**
- Played a pivotal role in the successful conversion of the old code into a C++ microservice, ensuring a seamless transition for customers, resulting in a **20% reduction in processing time for integrity checks.**
- Further **integrated this microservice with Jenkins Pipelining** into the development process, automating software builds and deployments. Reduced deployment time by 40%, ensuring faster delivery of critical security updates to customers.

Teaching Assistant, University of Ottawa, Ottawa, Canada **Sep 2022 — Apr 2023**

- Conducted **interactive tutorials for 120 students**, focusing on software development fundamentals and agile methodologies.
- Mentored undergraduates on how to develop **RESTful APIs using Spring Boot**, employing core Java principles to ensure robust backend functionality.

Software Engineer (Technology Analyst), Deutsche Bank, Bengaluru, India **Jul 2021 — Jul 2022**

- Reduced real-time trade retrieval time by 65% using **Apache Kafka and Elastic Search.**
- Designed and implemented an efficient system, utilizing APIs to instantly deliver thousands of instrument-related data to brokers and **revamped the Jenkins pipeline for automated deployments** and testing across environments.
- Created comparison algorithm to analyze 50+ Excel files using Java Spring Boot and React for fetching data to**generate a discrepancy report by comparing those Excel files.**
- Wrote **unit and integration tests** while adhering to clean code practices.

Education

Master of Computer Science, University of Ottawa, GPA: 3.93/4.00 **Sep 2022 — Apr 2024**

Bachelor of Technology, Information Technology, Vellore Institute of Technology, GPA: 9.21/10.00 **Jun 2017 — Jun 2021**

Skills

Languages: Java | Java Script | Python | C++ | HTML | CSS
Libraries/Frameworks: Spring Boot | Express | ReactJS | NodeJS | NextJS | Prisma ORM | Tailwind CSS | Supabase | Clerk Auth
Cloud: AWS **DevOps:** Kubernetes | Docker | CI/CD | Git | Terraform **Developer Roles:** Full Stack | Frontend | Backend | Microservices
Other: API | Jira | Code Review | SQL/NoSQL Databases | Unit testing | Agile Methdologies | S3 Buckets | EC2 | Kafka

Projects

AWS Content Moderation System (AWS, Python, Node.js, EC2, API Gateway, Lambda, SQS, SNS, DynamoDB, CloudFormation.)

- Implemented cloud architecture, allowing users to detect tags and content moderation.
- **Developed SQS for batch processing** notifications to alert administrators and harnessed CloudFormation for Infrastructure as Code (IaC) deployment.

Point of sale and Inventory management system (React JS, NodeJs, MongoDB, SQL, Prisma ORM, React Query, ExpressJS)

- Led a team of 2 to create an integrated system of inventory management and point of sale for a burger joint, including backend development, JavaScript APIs, and AWS deployment.
- Managed a project with **65 JIRA tickets, completing within one month**, while making architectural design decisions to connect inventory management and point-of-sale systems.

Topic Analysis of Software-Related Tweets (Python, Numpy, NLP, Pandas, MatplotLib, Deep Learning, SciKit-Learn)

- Filtering tweets and Preprocessing: Segregated tweets from the Customer Support Database, Developed an algorithm consisting of lowering text, removing user ids, URLs, HTML tags, emojis, and emoticons.
- Topic Modeling: Applied 3 **topic modeling algorithms(LSA, LDA, and BERTopic)** to the positive, negative, and neutral tweets identified by the sentiment analysis to know the topics from respective tweets.

Certification

Web Developer Bootcamp, Introduction to Machine Learning Nanodegree, Deep Learning Nanodegree