

EDUCATION

SUNY Stony Brook University, Stony Brook, NY	Aug 2023 – Dec 2024
Master of Science in Computer Science	GPA: 3.78/4.00

SKILLS SUMMARY

- Programming Languages:** Java, Python, C++, JavaScript, C, SQL, NoSQL, Go, HTML, CSS
- Technologies/ Frameworks:** Spring Boot, Hibernate, Django, Maven, ELK Stack, Node.js, Express, Angular, React
- Cloud/ DevOps:** AWS, Azure, Docker, Kubernetes, Helm, Jenkins, Git, ArgoCD, Jira, Terraform, Ansible, CircleCI, Gitlab, Bitbucket
- Data Management and Analysis:** PostgreSQL, MySQL, MongoDB, Cassandra, Kafka, Zookeeper, Aqua Data Studio, RabbitMQ
- Tools and Frameworks:** Splunk, Celery, Elastic Search, Swagger, Postman, JUnit, Mockito, SonarQube, TensorFlow, RESTful Web Services, Version Control, Agile Methodologies, Plotly, OAuth, JWT, Prometheus, Grafana, Distributed Systems

EXPERIENCE

Stony Brook University Research Assistant	Jan 2024 - Present United States
<ul style="list-style-type: none">Building a full-stack Mental Health Tracker using React, Redux, Spring Boot, and MSSQL, with Highcharts for data visualization.Integrated LLMs and TensorFlow.js for sentiment analysis and personalized mental health recommendations, aiming for 85% accuracy.Optimized workflows with Celery and Amazon S3, reducing task time by 30%; secured data with AWS KMS encryption and VPC.	
BlackRock Analyst	Jul 2022 - Aug 2023 India
<ul style="list-style-type: none">Automated financial document delivery for 50+ Transfer Agents utilizing Python, Azure Blob Storage for file management, and NiteJobs and Polars for scheduling, reducing manual tasks by 40% and streamlining operations.Modernized a legacy reporting system by developing a web application with Spring Boot REST APIs for the backend, Angular for the frontend, and Cassandra for database management, eliminating manual script execution and reducing client data retrieval time by 50%.Led daily coordination meetings with business teams, addressing migration challenges and demonstrating application UI and features, resulting in a 30% increase in client adoption and a 40% improvement in overall efficiency.Enhanced system observability using Azure Monitor and Log Analytics, cutting debugging time by 40%. Implemented CI/CD pipelines with Azure DevOps and Azure Automation for configuration management, reducing deployment times by 50%.Designed a microservices architecture for cash management with Java, Spring Boot, and Hibernate for data handling. Utilized Kafka for event-driven communication, and Prometheus and Grafana for monitoring, boosting system reliability by 25%.Upgraded a financial analysis application from Java 7 to Java 17, integrating JUnit and Mockito for automated testing and SonarQube for continuous code quality and vulnerability mitigation, resulting in a 30% performance increase.Established CI/CD workflows with Jenkins, Docker, and Helm for Kubernetes deployments, and terraform for infrastructure as code, optimizing deployment processes and achieving 20% cost savings in resources.	
BlackRock Software Engineer Intern	Jan 2022 - Jun 2022 India
<ul style="list-style-type: none">Developed a Proof of Concept (PoC) for a distributed microservices architecture for a low-code platform, enhancing development speed by 50% and enabling scalable application development.Automated infrastructure provisioning on Azure using Terraform, reducing manual configuration errors by 50% and accelerating deployment speed by 2x for Azure Virtual Machine instances and Azure Blob Storage buckets.Implemented continuous deployment pipelines with Argo CD and Helm on Azure AKS, reducing deployment failures by 40%.	
ProDevBase Software Developer Engineer	Dec 2020 - Dec 2021 India
<ul style="list-style-type: none">Engineered scalable backend solutions utilizing Java and Spring Boot in a microservices environment, ensuring efficient data flow and high system availability across distributed components.Collaborated with cross-functional teams to define requirements and implement database solutions (MySQL, PostgreSQL), incorporating Kafka for seamless real-time data streaming.Developed REST APIs to facilitate communication between distributed services, optimizing performance through code refactoring, thorough testing, and adherence to industry best practices.	

PROJECTS

Career Quest
<ul style="list-style-type: none">Built a robust job portal using Java, Spring Boot, React, and Hibernate, implementing ElasticSearch to enhance search functionality.Developed and optimized RESTful APIs with JWT for authentication and PostgreSQL for efficient data management.Utilized Docker and Kubernetes for containerization and orchestration, deploying with Helm on AWS. Automated CI/CD pipelines with Jenkins, ArgoCD, and Terraform, Prometheus and Grafana for real-time monitoring, centralized logging with the ELK stack.
Distributed Banking System
<ul style="list-style-type: none">Implemented a modular and scalable microservices architecture using Java, Spring Boot, and distributed database Cassandra.Utilized Apache Kafka for asynchronous communication and RPC, ensuring decoupling and improved data flow management.Employed Zookeeper for service discovery and coordination, used Docker and Kubernetes for consistent and scalable deployments.Developed robust RESTful APIs for inter-service communication and client interactions, monitored with Prometheus and Grafana.Ensured system reliability through GitHub Actions for CI/CD, complemented by comprehensive testing with JUnit and Mockito.