Aniket Shukla

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SUMMARY

I am immediate joiner. Highly motivated and confident Software Engineer. keen to grow in better opportunities while continuously upgrading skills in modern software development and cloud technologies.

EXPERIENCE

Software Engineer
Sept. 2024 – Aug. 2025

Upwork - Self Employed — *India*

- Designed and implemented automated Selenium-based testing frameworks for client portfolios and bootcamps, reducing manual testing efforts and improving software reliability.
- Developed and deployed client applications using Python, Node.js, and React, integrating RESTful APIs and cloud services (AWS/GCP) for scalable AI-driven solutions.
- Implemented CI/CD pipelines with GitHub Actions and containerized applications with Docker, applying DevOps best practices to deliver production-ready systems.
- Built Selenium-based automated testing frameworks for data validation and NLP-powered document understanding workflows, reducing manual QA efforts and improving accuracy.
- Collaborated with global clients to gather requirements, design AI/ML-ready architectures, and deliver secure, cloud-native applications with high availability.

Senior Software Engineer/Analyst
Sep. 2022 – Sep. 2024

Capgemini, India — *India*

- Led infrastructure transformation initiatives for major automotive clients (Peugeot, Opel, Citroen), including legacy-to-cloud and AWS migrations.
- Built and deployed large-scale system implementations for global automobile clients, applying principles of high-performance system design and data engineering that align with trading system development.
- Designed and optimized real-time data pipelines using Python, SQL, and enterprise platforms, experience directly transferable to high-throughput market data ingestion and preprocessing.
- Contributed to solution architecture by designing scalable system workflows capable of handling large volumes of structured and unstructured data, similar to capital markets' order management and order book systems.
- Developed and tested back-end features on enterprise applications, validating functional accuracy and performance, analogous to backtesting frameworks used for strategy validation in trading systems.
- Optimized system performance by reducing query latency, streamlining batch processes, and improving processing throughput — a foundation for ultra-low latency execution in trading infrastructure.
- Implemented robust testing strategies (unit testing, GUI validation, functional verification) ensuring 99.9% system uptime, paralleling mission-critical reliability expected in market hours.
- Collaborated closely with client stakeholders to gather requirements, translate them into technical specifications, and deliver solutions — similar to trader collaboration and requirements gathering in capital markets technology.
- Authored comprehensive product documentation including BRDs, FSDs, test cases, and user manuals, demonstrating strong business writing and aligning with documentation standards for risk and compliance systems.

- Delivered system enhancements within strict timelines and performance SLAs, contributing to consistent on-time project delivery, mirroring KPIs of trading system development.
- Worked with SQL databases (MSSQL, PostgreSQL) for data modeling, querying, and performance tuning, skills applicable to market data storage and time-series database design in trading environments.
- Exposure to cloud and big data technologies such as Hadoop, preparing for scalable deployments on Databricks and AWS ecosystems highlighted in the trading systems JD.
- Demonstrated ownership attitude by independently managing modules of client projects, ensuring quality delivery, and maintaining strong client satisfaction — reflecting performance and delivery expectations in quantitative finance roles.

Software Engineer Intern
April. 2021 – April. 2021

CPAG Technologies — *India*

- Built a Warehouse Inventory Management System (WIMS) leveraging the Observer design pattern to support
- Completed hands-on industrial training in Ethical Hacking, cyber crime Investigation, and Cyber Law, gaini
- Led the planning and technical operations of competitive programming events on platforms like Code

Projects

Real Time Collaborative Code Editor | *Python, Node JS, React, Socket.io, MongoDB*
- Build an Real-time code editor with live sync, chat, and auto-save.

Cross-Browser Article Testing | *Selenium, BeautifulSoup, BrowserStack Automate API*
- Done Automated cross-browser testing with scraping, translation, and parallel execution.

Angela Yu Full-Stack Projects | *HTML, CSS, JavaScript, RESTful API, GitHub Pages, Heroku*
- Built different Built blog, portfolio, and to-do apps with responsive UI and cloud deployment.

Education

IIT Patna	India
Master of Technology in Data Science and AI - Online Program	*2025*
Pune University	India
B.E in Computer Science - Top 5 in University GPA: 9/10	*2019 – 2022*

Skills

Cloud Platforms: AWS (EC2, S3, RDS, Lambda, IAM, CloudWatch, CloudFormation), Azure, GCP
Infrastructure as Code: Terraform, Ansible, CloudFormation
Containerization & Orchestration: Docker, Kubernetes (EKS, AKS)
CI/CD & Automation: Jenkins, GitLab CI/CD, GitHub Actions, Python/Bash Scripting
Monitoring & Observability: Prometheus, Grafana, ELK Stack, Datadog, AWS CloudWatch
Databases: MySQL, PostgreSQL, Oracle, MS-SQL, MongoDB, Redis
System Administration: Linux (Ubuntu, CentOS, RHEL), Performance Tuning, Backup/Recovery, Security Hardening
Programming & Tooling: Python, JavaScript (Node.js), REST API Integrations, Automation Scripts
Methodologies: Agile/Scrum, Incident Response, Cloud Cost Optimization, Migration Strategies