Maanasa Narayan

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EXPERIENCE

- **Kayak** — **Boston, MA**
  Software Engineer — *July 2023 – present*
  - **API Integration**: Built Java-based API integration layer for new airline providers across 6 critical endpoints—flight search, availability, seat-map, baggage, booking, and receipt with comprehensive unit testing coverage using JUnit.
  - **CI/CD**: Deployed integrations through GitHub Actions pipelines with staged A/B experiments and real-time Kibana log monitoring, detecting and resolving issues before full traffic roll-out.
  - **Debugging**: Drove cross-functional investigations using SQL queries and Kibana dashboards when edge-case errors arose, ensuring minimal impact on user experience.
  - **Monitoring**: Tracing failures across the codebase and proposing architectural improvements that maintained flight-booking flow stability.

- **Amazon** — **Seattle, WA**
  Software Engineering Intern — *Sep 2022 – Dec 2022*
  - **Automation**: Eliminated around 20 engineer-hours of manual QA every release cycle by designing and building an internal Amazon's Choice badging validator with React, AWS Lambda and Puppeteer.
  - **Batch Processing**: Implemented a batch processing program that streamed results in 10% increments, giving engineers immediate feedback while large Excel files were still running.
  - **Full-Stack Development**: Delivered a fully functional MVP, plus a signed-off requirements/design dossier and detailed hand-off documentation, all within the 10-week internship window.

- **Adobe** — **Bengaluru, India**
  Software Engineer — *Nov. 2018 – Aug 2021*
  - **Client Consulting**: Guided clients worldwide in experiment design and built alternate site variants with HTML/JavaScript across 4 Adobe Experience Cloud products (Target, AEP, Analytics, AEM).
  - **Recommendation Systems**: Integrated a recommendation system as a part of Adobe Target and Adobe Analytics, which increased user engagement on the site by 4 times.
  - **Internal Automation Tools**: Authored a Selenium automation bot that slashed repetitive internal traffic-allocation tasks for the consulting team.

TECHNICAL SKILLS

- **Languages**: Java, Python, JavaScript, TypeScript, SQL, HTML, CSS
- **Frameworks**: React.js, Redux, Node.js, Express.js, RESTful APIs, Spring Boot
- **Tools**: AWS Lambda, API Gateway, Elasticsearch, Kibana, Docker, Kubernetes, GitHub Actions, JUnit, Puppeteer
- **Databases**: MySQL, MongoDB
- **Cloud**: AWS, CI/CD, Serverless Architecture

PROJECTS

- **Stock Trader**: Developed a MERN Stack trading platform with role-based access, state management, and live financial API integration.
- **Interactive Adventure Game**: Built a Java game using OOP principles, MVC architecture, and Java Swing GUI for enhanced user experience. Wrote exhaustive test plans for the application and implemented it through 100+ JUnit tests..

EDUCATION

- **Northeastern University** — **Boston, MA**
  Master of Science in Computer Science; GPA: 3.9/4.0 — *Sep. 2021 – May 2023*

- **Visvesvaraya Technological University** — **Bengaluru, India**
  Bachelor of Science in Computer Science — *June. 2014 – May 2018*