

Aindrila Ray
Software Engineer

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SUMMARY

Full-stack focused Software Engineer with experience building scalable, accessible enterprise solutions using React, Javascript, and RESTful APIs at J.P. Morgan Chase. Skilled in designing reusable UI components, optimizing performance, improving WCAG accessibility, and integrating secure backend services (Java and Springboot). Proven track record delivering high-impact features used by thousands of users in Agile fintech environments.

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript, TypeScript, SQL, C/C++
- **Frameworks & Libraries:** Spring Boot, Spring, React, Node.js, Flask
- **Web & APIs:** RESTful APIs, HTML, CSS, WCAG Accessibility
- **Security:** KMS Encryption, Secure Coding
- **DevOps & Tools:** Git, GitHub, Jenkins, CI/CD, JMeter, BlazeMeter, Playwright
- **Databases:** SQL, Firebase
- **Methodologies:** Agile, Scrum

EXPERIENCE

•Software Development Engineer

J.P. Morgan Chase

July 2024 – Present
Bengaluru, Karnataka, India

- Led development of React-based IAM certification platform used by 23,500+ groups and 12,000+ certifiers, improving workflow visibility and audit readiness.
- Designed scalable, accessible UI components using React and TypeScript, improving WCAG compliance by 25% and raising CSAT from 75% to 93%.
- Built reusable frontend modules for large certification cycles (3,000+ business users), integrating with Java/Spring Boot REST APIs and improving page load performance by 30%.
- Collaborated with backend teams to optimize API contracts, caching, and data-fetch patterns, reducing latency and improving platform responsiveness.
- Mitigated exposed API-key vulnerability by designing a KMS-backed encryption solution with secure encrypt/decrypt APIs, eliminating plaintext key storage and improving application security compliance.

Skills Used: React, JavaScript, Java, Spring Boot, REST APIs, Accessibility (WCAG), KMS, Jenkins, CI/CD, Git, Agile, JMeter, BlazeMeter, Playwright

•Software Development Engineering Intern

J.P. Morgan Chase

January 2024 – June 2024
Bengaluru, Karnataka, India

- Delivered enterprise-grade features using Java, Spring Boot, React, and Node.js within Agile development teams.
- Developed RESTful APIs and backend services to support internal business workflows.
- Contributed to frontend components using React and TypeScript, improving usability and performance.
- Participated in code reviews, testing, and CI/CD pipelines to ensure production readiness.

Skills Used: Java, Spring Boot, React, Node.js, RESTful APIs, Git, Agile

•Software Development Engineering Intern

J.P. Morgan Chase

June 2023 – July 2023
Mumbai, Maharashtra, India

- Built reusable UI components using React.js and TypeScript to improve development efficiency.
- Developed NLP-driven backend services using Python and Flask for automated data processing.
- Implemented REST APIs to support data ingestion and processing workflows.

Skills Used: React, TypeScript, Python, Flask, NLP, RESTful APIs

•iOS Development Intern

Infosys India Pvt. Ltd.

April 2023 – May 2023
Chennai, Tamil Nadu, India

- Created scalable iOS interfaces for a MediBuddy-like healthcare platform supporting patients, doctors, nurses, and hospital admins, simplifying appointment booking, status tracking, and care coordination.
- Led UI design in Figma and integrated Firebase-based authentication and real-time workflows, enabling secure multi-role access and faster hospital communication.

Skills Used: SwiftUI, UIKit, Firebase, Figma, Agile Methodology

EDUCATION

•**SRM Institute of Science and Technology, Chennai, India**

Bachelor of Technology in Computer Science and Engineering

2020-24

CGPA: 9.42

PERSONAL PROJECTS

•**Enhancing Cuffless Blood Pressure Monitoring using deep-learning techniques**

SRM Institute of Science and Technology, Chennai

- Built a deep-learning-based model to estimate blood pressure from physiological signals, enabling non-invasive and continuous monitoring.
- Technology Used: Python, MATLAB, Kaggle Datasets

•**Homify: Homecare Services iOS Platform mobile application**

SRM Institute of Science and Technology, Chennai

- Developed an iOS application connecting users with homecare service providers, featuring service booking, user authentication, and real-time updates.
- Technology Used: UIKit, SwiftUI, Firebase, Figma