

AKHIL DAPHARA

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SKILLS

TypeScript, JavaScript, Java, Node.js, AWS, Serverless, CloudFormation, Git, Cursor, MCPs

EXPERIENCE

MONET - Founder

Consumer finance platform to algorithmically recommend credit cards for reward optimization and analyze user transactions via Plaid.

- Native iOS App: Engineered a modern iOS application using SwiftUI, MVVM architecture, and async/await, featuring a custom design system, dark mode, and real-time spend analytics dashboards.
- Financial Data Ingestion: Integrated Plaid Link & Webhooks to securely connect user bank accounts, normalize real-time transaction streams, and maintain tokenized credentials.
- Backend & Recommendation Engine: Architected AWS deployed backend to ingest financial data, categorize transactions, and run algorithmic calculations matching real-time user spend to optimal credit card rewards.
- System & API Design: Designed clean RESTful API contracts and Design System for the entire product.

Technologies: SwiftUI, Node.js, Plaid API, Serverless, REST APIs

Genesys, USA

Senior Software Engineer

June 2026 – Present

Software Engineer

May 2023 – June 2026

- Piloted Cursor AI to increase team productivity, successfully scaling the tool to 100% of the engineering org.
- Won an internal hackathon for building a Model Context Protocol server that connected public APIs to AI-enabled IDEs and Amazon Bedrock, enabling developers to discover and invoke APIs through natural-language interactions.
- Designed and implemented AWS Step Functions for distributed processing that reduced compute time from several hours to under 18 minutes while improving scalability, fault tolerance, and execution visibility.
- Designed and launched a production public API with strongly defined schemas, input validation, standardized error handling.

Software Engineer - Intern

May 2022 – May 2023

- Migrated production microservices from Hystrix to Resilience4j without service disruption, modernizing circuit-breaker behavior and preserving system fault tolerance.
- Refactored tightly coupled components to enforce separation of concerns, improving unit-test isolation, maintainability, and debugging efficiency.

Technologies: TypeScript, AWS, Java, MCPs, APIs, Node.js, Clojure, Kotlin, Circuit-Breakers, Unit Testing

Credence Analytics, India

Trainee Assistant Consultant - Software

Mar 2021 – Jun 2021

- Partnered with the CEO to design and build an ERP system using Python, JavaScript, SQL.
- Deployed an Elasticsearch-based application monitoring system to centralize visibility into AWS infrastructure, Oracle databases, and microservices.

Back End Developer - Internship

Aug 2020 – Feb 2021

- Built [CREDCLI](#), a command-line tool that generated software update patches from Git branch differences, reducing manual release work by more than 50%.
- Published [Parsifier](#), an npm package for programmatic configuration-file updates that eliminated repetitive manual editing.

Technologies: JavaScript, NodeJS, Python, Docker, Unit Tests, Git, Elasticsearch

EDUCATION

Master of Science in Computer Science

May 2023

Worcester Polytechnic Institute, Worcester, MA, USA

Bachelor of Engineering in Information Technology

Oct 2020

University of Mumbai, India

ADDITIONAL ACTIVITIES

Digitization Consultant (Paid Part-time), WPI

Nov 2021 – Present

Helped a local business launch their website on Shopify and market their product to attract more customers.

Executive Board Member, Model United Nations, Mumbai, India

2019

Worked as "Rapporteur" and Executive Board Member at MUN in college. Managed a team of delegates and the entire event. Also co-hosted the award distribution ceremony.