

Yashvardhan Arora

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EDUCATION

Thapar Institute of Engineering and Technology, Patiala
Bachelor of Engineering in Computer Science

Sept. 2020 – July 2024
9.31 CGPA

EXPERIENCE

JPMorgan Chase & Co.
Software Engineer

February 2024 – Present
Bengaluru

- Delivered 8+ customer-facing features for Self-Directed Investing on the Chase iOS application using Swift, SwiftUI, UIKit, and Combine, contributing to \$7M+ in additional business revenue.
- Developed and maintained features across multiple iOS micro-frontend modules, leveraging Dependency Injection and collaborating with engineering, product, and design teams on feature architecture and API optimization initiatives that reduced network overhead by 25%.
- Developed reusable bridges between SwiftUI and UIKit components, enabling seamless navigation, state synchronization, and event propagation across hybrid application architectures.
- Built an Agentic NLP-powered screener query translator that improved usability of the stock screener.
- Migrated web-based experiences to fully native iOS screens, improving screen load times and user interaction performance by over 300%.
- Enhanced application quality through accessibility compliance (ADA/WCAG), analytics instrumentation, unit and component testing, while presenting 15+ stakeholder demos and leading production feature rollouts using Split.io feature flags.

Zuddl

September 2022 – March 2023
Remote

Frontend Engineer - Intern

- Built and shipped production-ready features for Zuddl Setup and Studio using React and Typescript, including a complex custom Duda Widget and form builder SDK.
- Worked with NX-Workspaces, React Query, and scalable frontend architectures.

PROJECTS

IndiePay | *Payments, NextJS, Express, Firebase, MongoDB, Redis, CI/CD, Docker, AWS* Feb 2023 – May 2023

- Designed and developed a Dashboard and Typescript SDKs for collecting UPI payments for Indie hackers.
- Built a CI/CD pipeline using Github Actions and Docker to deploy backend on EC2 instance.
- Published a client-side and a server-side NPM package with documentation.
- Link to [NPM Packages](#). Deployed at [indiepay.servatom.com](#)

ServDomain | *NextJS, Express, Firebase, Cloudflare API, Stripe API, Docker*

Feb 2023 – May 2023

- Designed and developed a marketplace for subdomain lending using server-side rendering with Nextjs.
- Implemented monthly & annual subscription models with Stripe payments and webhooks for real-time updates.
- Utilised Cloudflare APIs to perform CRUD operations on DNS records.
- Link to [Repository](#). Deployed at [domains.servatom.com](#)

IoT enabled Smart Dustbin Project | *IoT, Cloud, Docker, Machine Learning*

Feb 2023 - Nov 2023

- Developed a network of IoT-enabled dustbins reporting live location and capacity in public places.
- Leveraged MQTT protocol for streaming data to the cloud, broadcasting to mobile clients.
- Engineered an automated segregator to segregate recyclable and non-recyclable waste w/o human intervention.
- Assisted in building a Machine Learning model for waste classification.

ACHIEVEMENTS AND AWARDS

- Recipient of Merit Scholarship for years 2022-2023, 2021-2022, 2020-2021 totaling worth Rs. 8.91 Lakhs.

TECHNICAL SKILLS

Domains: Web Development, Frontend Development, iOS Development, Agentic Systems, UI/UX, DevOps, IoT

Languages: Swift, Javascript, Typescript, HTML, CSS, C, C++

Frameworks and Libraries: SwiftUI, UIKit, React, Nextjs, RemixJS, Tailwind CSS, Redux, Bootstrap, Prisma, MongoDB, Stripe, Nodejs, Express, Docker, Github Actions, Lerna

Developer Tools: Git, Github, AWS, Docker Hub, Nginx, NX Workspaces, NPM, Postman, Cloudflare, XCode, Figma