

Md Abu Zafar

Experienced Full Stack Developer with 8+ years of expertise in JavaScript, TypeScript, React, Next.js, Nest.js, and Postgres. At Cimpress, worked on designer-facing tools and AI-ready repositories. Led successful projects like Thread.ai and Crew.ai, improving developer productivity and reducing costs. Skilled in solving complex problems and collaborating within global teams to deliver high-quality software solutions.

EXPERIENCE

Cimpress, (Remote) — Senior Software Engineer

July 2024 - Present

Cimpress is a mass-customization company and the parent of Vistaprint. The Vista team's Design Creation Tools are the internal web tools designers use to create, resize, and publish product designs.

- Engineer on the team behind Dynamic Design Maker and Concept Kit Maker for ~1 year, used by the design team. Fixed the blank previews, vanishing images and load crashes that were blocking their work, made silent failures visible in New Relic, and wrote the 2-year decision record used to hand both tools to the Design Intelligence team.
- Cut designer wait time: signage previews now load in **~10 s, down from ~42 s (~75% faster)** by loading on demand. Designers can search every project instead of seeing only 10, and a designer-requested filter removes duplicate aspect-ratio previews to speed up review.
- Prevented an outage across **3 designer-facing services** (Resizer, Designer DEX, Content Creation Tools API) by migrating them to the new version of a core internal service before the old one was switched off. Also fixed published templates landing untitled in the approved-template system and resolved or triaged 17 designer support tickets.
- Beat the test-coverage goal **3x**: raised coverage from **16.9% to 27.1% (+60% vs. a +20% goal)** with 1,215 real-behaviour tests. Then proved the team's quality checks could never fail (type-check passed with a file deleted) and replaced them with automated guardrails on **6 repos**, so no broken change, human or AI-written, can merge.
- Rolled out AI code review in CI on **4 repos** after a written Copilot vs. self-hosted-agent evaluation, and published **first-responder**, an org-wide agent skill now used on **100% of incoming support tickets**: it resolves **~60%** of them and cuts turnaround time by **over 70%**.
- **Tech Stack** - React, TypeScript, TanStack Query, Node.js, Pulumi, GitLab CI, New Relic, GitHub Copilot

Proximity Labs, (Remote) — Software Engineer

March 2021 - June 2024

A global team of coders, designers, product managers, geeks, and experts. Proximity Labs solve complex problems and build cutting-edge tech at scale.

- Thread.ai - built and launched Thread.ai, an AI-powered knowledge co-pilot for tech teams. Beta-tested across multiple enterprise teams and saw the tool lead to a **25% surge in developer productivity** and a **30% reduction in developer costs** for our clients.
- Crew.ai - Built using Next and Nest and launched a workplace management software that automates time tracking and leave tracking. Beta tested across several clients and had **500 people onboarded** and growing steadily.
- Built a dynamically generated static website for a Fintech company, with options for the Marketing team to modify any data on the website without having to contact the developers.

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SKILLS

Language - JavaScript, TypeScript

Libraries and Frameworks - React, Redux, TanStack Query, SASS, Next, Express, Koa, Tailwind

Databases - Postgres, MongoDB, Redis

Data Streaming - RabbitMQ

Version Control - Git

AI Tooling - AGENTS.md, agent skills, MCP, GitHub Copilot

Others - Docker, GitLab CI, Pulumi, New Relic

EDUCATION

Engineering Fellow, Pesto

September 2020 - January 2021

Bachelor of Arts in English, History and Political Science - Veer Bahadur Singh Purvanchal University

2014 - 2017

- **Tech Stack** - Next, React, Nest.js, Tailwind, TypeScript

IDfy, Mumbai (Remote) — *Software Development Engineer 2*

June 2020 - March 2021

IDfy's solutions help safely onboard customers, merchants, service partners, and employees. These solutions ensure safety and compliance in 500 live clients. IDfy is a part of the REGTECH 100 company.

- Worked with the Platform team
- Developed a document viewing platform using JavaScript, Elixir and Phoenix template engine to enable secure access to PII data over the entire company.
- Developed a human workflow platform using **JavaScript, Elixir and Phoenix template engine** to help agents resolve the inaccuracy of unknown documents that went to the OCR engine, which helped the company to increase its revenue **by over 5%**
- **Tech Stack** - Elixir, Phoenix, Redis, RabbitMQ, HTML, CSS, React

IoT Ready, Bangalore — *Front End Engineer*

October 2019 - May 2020

IoT Ready helps small businesses venture into the IoT space. It also provides software consultations for NGOs focussed on the Education sector.

- Responsible for architecting, planning and developing an **Elm SPA** which helped the client increase their customer base by **over 15%**
- Designed and Developed an Internal knowledge-sharing app that catalogues the sharing & accumulation of knowledge as it happens between developers using Elm. It can be considered a combination of Stackoverflow and Hashrocket's Today I Learned.
- **Tech Stack** - Elm, HTML, CSS

IDfy, Mumbai — *Software Development Engineer*

May 2018 - June 2019

- Worked with the OCR and Data team
 - Developed a scraping engine using **Python** and **Scrapy** for on-demand scraping.
 - Helped migrate parts of the OCR engine from **Python** to **Go** that helped reduce the overall time for doing an OCR by **over 500ms** and also to scale.
- Worked with the API team
 - Migrated an API gateway to Elixir and Phoenix, which helped decrease the server cost by **almost 30% to 40%**
 - Converted a monolith app to a microservices architecture for asynchronous flow of data using Elixir, Phoenix and RabbitMQ.
- **Tech Stack** - Elixir, Phoenix, Redis, Go, Python, RabbitMQ, HTML, CSS, React