

SUPRATIK DAS

Analyst - SD

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PROFESSIONAL SUMMARY

Software Development Analyst with 7+ years of experience building scalable, performance-critical web applications. Deep expertise in frontend architecture, JavaScript (ES6+), Backbone.js, Angular, and e-commerce platforms. Proven track record delivering complex UI builders, canvas editors, and product customisation tools on high-traffic platforms. Skilled in code reviews, technical design, stakeholder collaboration, and AI-assisted engineering workflows.

CORE SKILLS

Frontend: JavaScript (ES6+), Backbone.js, Angular, HTML5, CSS3, SCSS, Responsive Design, React (Intermediate) | **Canvas & Graphics:** Fabric.js

State Management: RxJS, Backbone Events | **Backend:** Node.js, REST APIs, Core Java | **Databases:** PostgreSQL, MongoDB

Analytics: Google Tag Manager, Google Analytics | **Tools:** Git, Bitbucket, Jira, Agile, CI/CD | **Cloud:** AWS S3, SES

PROFESSIONAL EXPERIENCE

Analyst - SD | Valuelabs (Client: Shutterfly Inc.)

Oct 2023 – Present

- Led frontend development of a large-scale photo product editor used by millions, built on Backbone.js + JavaScript with JST/EJS templates across Photo Books, Cards, Calendars, Prints, Mugs, Canvas Prints, and Posters
- Worked on a rich drag-and-drop canvas editor using Fabric.js supporting photo placement, text editing (font/color/size/alignment), design templates, backgrounds, and embellishments
- Worked on undo/redo system using the Command Pattern for reliable state rollback across all canvas interactions
- Developed AI-powered frontend flows — autofill, auto-crop, layout suggestions, and restyle (Magic Labs)
- Built an embeddable widget mode with a JavaScript API (`BuilderWidgetManager.createWidget()`) for third-party host page integration
- Conducted code reviews, contributed to architectural decisions, and collaborated with backend teams on API integration and system design

Senior Software Engineer | HCLTech

Jan 2022 – Sep 2023

- Developed enterprise-grade applications using Angular, JavaScript, and Node.js; built reusable, modular UI components aligned with scalable frontend architecture
- Implemented Google Tag Manager and Google Analytics for user journey and funnel tracking; supported testing, debugging, and performance optimisation across releases

Software Engineer | LegalKart

Jan 2019 – Dec 2021

- Developed a legal technology app using JavaScript, Angular, Node.js, PostgreSQL, and REST APIs in a fast-paced startup environment.
- Built full-stack features using JavaScript, Angular, Node.js, PostgreSQL, and REST APIs across multiple production releases in an Agile startup environment

KEY PROJECTS

Photo Product Builder — Shutterfly

Developed and maintained the frontend of a high-traffic photo product editor on Backbone.js + JavaScript, enabling millions of users to design and order personalised photo products in real time.

- Backbone.js SPA with JST/EJS templates; modular Views, Models, Collections across 7+ product types
- Fabric.js canvas editor with drag-and-drop, text controls, templates, and embellishments
- Worked on undo/redo Command Pattern, AI autofill/auto-crop flows
- Embeddable widget mode via JavaScript API; multi-brand locale support; auto-save with guest flow

Tech: JavaScript, Backbone.js, Fabric.js, JST/EJS, jQuery, SCSS

JavaScript Execution Visualizer — Personal Project

- Interactive visualizer for JS runtime behaviour — call stack, event loop, promises, async/await, and task queues; leveraged AI agents to validate complex async execution flows

EDUCATION & CERTIFICATION

M.Sc. Computer Science | West Bengal State University

2017

B.Sc. Computer Science | West Bengal State University

2015

