

Jatan Puri

Software Engineering Student | Full-Stack Developer | QA Automation Engineer

Karachi, Pakistan | +92 340 3013773 | jatanpuri5@gmail.com | jatanpuri.dev | linkedin.com/in/jatanpuri | github.com/JatanPuri5

PROFESSIONAL SUMMARY

Software Engineering student at SZABIST Karachi (six semesters completed) with hands-on experience building full-stack web applications, Flutter mobile apps, REST APIs, real-time systems, and automated QA workflows. Practical experience with React, Node.js, Express, Flutter, MySQL, MongoDB, Docker, Playwright, Selenium, Postman, and Jira REST API integrations. Delivers freelance, academic, and personal projects end-to-end, from requirement gathering through testing and deployment, and is seeking internships, junior software engineering roles, remote work, and freelance projects.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Dart, Python, SQL, HTML, CSS

Frontend: React, Vite, Tailwind CSS, Responsive Web Design, Flutter

Backend & APIs: Node.js, Express.js, REST APIs, JWT Authentication, Socket.IO, API Integration

Databases: MongoDB, Mongoose, MySQL, PostgreSQL

Testing & Quality: Playwright, Selenium, Postman, Jira REST API, End-to-End Testing, API Testing, Manual Testing, Test-Case Design

DevOps & Tools: Docker, Docker Compose, Git, GitHub, VS Code, Linux, npm, nginx basics

Automation: Web Scraping, OCR, CSV/Excel Automation, Data Extraction, LLM/API Integrations

PROFESSIONAL EXPERIENCE

Freelance Software Developer *Fiverr & Direct Project Work | Remote | Ongoing*

- Build full-stack web applications, backend REST APIs, and Flutter mobile applications using React, Node.js, Express, MySQL, MongoDB, PostgreSQL, JWT authentication, and Dart.
- Develop automation add-ons involving OCR, web scraping, document processing, API integrations, CSV/Excel automation, and LLM-assisted workflows.
- Handle the full project lifecycle: requirement gathering, solution planning, implementation, debugging, testing, progress updates, revisions, and delivery.
- Adapt quickly to client-specific technologies and tools through direct project implementation.

SELECTED PROJECTS

Bug Tracker Lite *Full-Stack QA/SQE Automation Platform*

React (Vite) | Node.js/Express | MongoDB | Docker Compose | Playwright | Jira REST API

- Built a full-stack bug-tracking platform demonstrating an end-to-end software quality engineering workflow: Jira user stories, development, containerized deployment, automated testing, and status sync.
- Integrated the Jira REST API v3 so every bug reported in the app automatically creates a linked Jira issue, and marking a bug Resolved auto-transitions the Jira issue to Done.
- Containerized the React client, Express API, and MongoDB database with Docker Compose for one-command local and demo deployment.
- Automated 5 Playwright end-to-end test cases covering bug creation, validation, status updates, filtering, and deletion, wired into an automatic Jira status-update script.

github.com/JatanPuri5/bug-tracker-lite-sqe

SpendWise *Cross-Platform Expense Tracker*

Flutter (Dart) | Node.js/Express | MySQL | JWT | bcrypt | fl_chart | Postman

- Developed a full-stack personal finance application with a Flutter frontend (Android, iOS, web, Windows, Linux, macOS) and a Node.js/Express REST API backend.
- Implemented JWT authentication with bcrypt password hashing and protected transaction and budget routes.
- Designed a relational MySQL schema for income, expense transactions, and budgets.
- Built dashboard summary and analytics screens using fl_chart, and documented/tested all endpoints with a Postman collection.

github.com/JatanPuri5/spendwise-expense-tracker

Real-Time Chat & WebSocket Platform *Portfolio / Freelance Demo*

React | Vite | TypeScript | Node.js | Socket.IO | MongoDB | Redis | Docker

- Built an authenticated real-time messaging platform with direct chats, public/private rooms, and persistent notifications using React, Node.js, and Socket.IO.
- Implemented online/offline presence, typing indicators, and delivery/read receipts across multiple concurrent sockets per user.
- Secured the API and WebSocket layer with JWT, bcrypt, Helmet, CORS allowlisting, rate limiting, and Zod validation.
- Containerized web, server, MongoDB, and Redis services with Docker Compose, and covered the app with unit, integration, socket, and Playwright multi-user browser tests.

github.com/JatanPuri5/realtime-chat-socketio-platform

ADDITIONAL PROJECTS

- E-Commerce Cart SPA — React/Vite single-page app with cart functionality and a lightweight Python backend module. github.com/JatanPuri5/my-spa-project
- Developer Portfolio — Responsive site deployed on GitHub Pages with custom domain, DNS, and HTTPS. jatanpuri.dev

EDUCATION

Bachelor of Science in Software Engineering *SZABIST Karachi — In Progress, Six Semesters Completed*

Relevant Coursework: Data Structures and Algorithms, Object-Oriented Programming, Database Systems, Web Engineering, Software Quality Engineering and Testing, Computer Networks, Operating Systems

PROFESSIONAL SKILLS & LANGUAGES

Professional Skills: Requirement Gathering, Client Communication, Problem Solving, Debugging, Technical Documentation, Adaptability, Teamwork

Languages: English — Professional Working Proficiency | Urdu — Native