

Syed Hasnat

Full Stack Developer · React · Next.js · Node · Python · .NET Core 6

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SUMMARY

Full Stack Developer with 5+ years building and shipping web, mobile, and AI-driven products for 1M+ users across fintech, banking, insurance, and ATM/self-service platforms. Gold Medalist in Computer Science. Delivers end-to-end with React, Next.js, Node.js, .NET Core 6, Java, and Python — from accessible, high-performance UIs to secure REST APIs, microservices, and SQL/NoSQL data layers. Combines hands-on engineering with business analysis (requirements, FSD, estimation) and full-SDLC ownership, and now builds AI agents and RAG workflows with Claude and OpenAI.

EXPERIENCE

CNS Middle East — Software Developer

Feb 2024 – Present · Dubai, UAE

- Provided end-to-end production support for 250+ ATM and MFK machines for Sharjah Islamic Bank (CNS x Diebold Nixdorf) — issue investigation, root-cause analysis, bug fixes, and deployment across multiple terminal models.
- Owned the full SDLC for 30+ Change Requests — SIB stakeholder workshops, FSD authoring and estimation, development, and delivery — lifting application efficiency ~20%, with data-analytics/ML integration cutting processing time ~35%.
- Developed and customized VCP Pro (ProFlex4 / Vynamic Connection Points) terminal components on a Windows / CEN-XFS multivendor stack — including a complete SEWA bill-payment journey (cash, cheque, card, account) and MFK card printing.
- Built new Vynamic Transaction Engine (VTE) services in Java — e.g. getConsumerDetails and MakeBillPayment for SEWA — and wrote the ATM/MFK-side Java integration to VTE and the bank middleware / ECC, including cheque flows.
- Built the Leave Management System for 600+ employees — Next.js/React + Redux + Tailwind, a .NET Core REST API, MySQL, LDAP sign-in, approval workflow, role-based access, quick-calendar UX, and SMTP notifications.
- Built an ATM monitoring analyzer — a Python agent streaming encrypted terminal events over Kafka to a React + Chart.js dashboard with live status and threshold alerts across 250+ machines.
- Built the ATM Reporting System (Next.js + Python + PostgreSQL) with stored procedures, views, and a custom PDF/Excel export library over daily transaction data from 250+ machines.
- Managed releases through SIT, UAT, and PROD (Git feature-branch + PR on GitHub, code review, rollback) and led an Agile Scrum team of 4 (Jira, MS Teams) — authoring FSDs, user flows, UI mockups, and test scenarios.

WeCover — Full Stack Developer

Aug 2022 – Feb 2024 · Dubai, UAE

- Built core flows for WeCover — a UAE digital-insurance comparison and purchase platform licensed by the Central Bank of the UAE — across B2C and B2B: compare policies, get a customized quote, purchase online, and receive policy documents by email.
- Developed the multi-step quotation and checkout UI in React/Next.js with Redux (HTML, CSS, MUI), integrating 5 insurers' APIs to return real-time comparative quotes.
- Integrated UAE PASS authentication, removing ~15 steps from the customer journey, plus Tap, Tabby, and Tamara payments.
- Built RESTful API integrations with insurer and partner service providers that expanded product availability and lifted revenue ~30%; backed by internal .NET Core 6 and Node.js APIs.
- Owned the PostgreSQL schema; shipped with Docker CI/CD; used Hotjar and Google Tag Manager to inform product decisions, and lifted marketing email CTR ~25% via reworked HTML templates.

Techneivity Inc. — Software Developer

Jan 2021 – Aug 2022 · Islamabad, Pakistan

- Built cross-platform mobile apps with Ionic 6 + Capacitor for real-time patient & resident monitoring — VST-Alert (Angular) and VST-Senior Living & VST-Balance (React) — using Redux, TypeScript, and native device plugins.
- Delivered near-real-time alerting: devices write events to the database, the app refreshes only the affected view, and Firebase Cloud Messaging (FCM) pushes notifications via registration tokens.
- Built RESTful Web APIs with .NET Core 6 and Entity Framework (code-first, MySQL) across residents, patients, assessments, alerts, facilities, and users; secured with JWT access + refresh tokens and role claims.
- Migrated VST-Alert from Angular 8 to Angular 13 — lazy-loaded routes, the Ivy renderer, and bundle splitting — cutting load time ~40%.
- Worked in an Agile Scrum team of 4 with Git feature-branches and PRs, achieving a ~10% timeline reduction.

Fiverr (Freelance) — Python Developer

Feb 2018 – Apr 2022 · Punjab, Pakistan (Remote)

- Delivered 100+ projects: web apps, REST APIs, data-scraping, automation, and CI/CD pipelines.
- Worked across Flask, Django, BeautifulSoup, Scrapy, Selenium, Pandas, and NumPy.
- Integrated MongoDB, Firebase, PostgreSQL, MySQL, and SQLite depending on project fit.

SourceFaster · S-Guru — IT Intern

Oct 2020 – Jan 2021 · Rotterdam, Netherlands (Remote)

- Provided technical support and maintained systems via Python, PHP, and Java scripts.
- Built web-runnable automation tools (React + JavaScript) and an Alibaba outreach bot for seller messaging.

- Aggregated data across e-commerce sites via Selenium, BeautifulSoup, Pandas, and Scrapy.

CORE SKILLS

Frontend	React, Next.js (App Router), Angular 12+, TypeScript, Redux, Tailwind CSS, Material UI, Ionic
Backend & APIs	Node.js, NestJS, Express, .NET Core 6, C#, Java, Python (Flask, Django, FastAPI), REST APIs, JWT/OAuth, Entity Framework
Data & AI	PostgreSQL, MySQL, MongoDB, Firebase, Kafka, AI agents & LLM integration (Claude, OpenAI), RAG & tool-calling, ML integration, Azure basics
ATM / Self-Service	Diebold Nixdorf VCP Pro (ProFlex4, CEN/XFS, multivendor), Vynamic Transaction Engine (VTE), bank middleware / ECC integration
Business Analysis	Requirements elicitation, FSD authoring, FSD review & sign-off, effort estimation, user flows, gap analysis, stakeholder workshops
Project & Delivery	SDLC ownership, sprint & release planning, change-request handling, SIT/UAT/PROD, client/vendor coordination, UAT & go-live
Practices	Agile / Scrum, Jira, Git & GitHub/GitLab, Docker, CI/CD, unit testing (Jest), performance profiling, debugging

Domains: Fintech (4y) · Insurance (4y) · Banking (3y) · Trading/Forex/Crypto (3y) · E-commerce (3y) · Travel (3y) · AI/ML (2y) · Data Science (2y) · Blockchain/Web3 (1y)

EDUCATION

Bachelor of Computer Science — COMSATS University Islamabad

GPA 3.78 / 4.00 · Gold Medal (highest marks in program) · Sep 2017 – Aug 2021

CERTIFICATIONS

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| <ul style="list-style-type: none">• Vynamic Transaction Engine (VTE / TE) — Diebold Nixdorf (2024)• Introduction to Data Science in Python — University of Michigan• VCP Pro (ProFlex4) — Diebold Nixdorf (2024)• Data Collection and Processing with Python — University of Michigan• Google IT Automation with Python (Specialization) — Google• Using Python to Access Web Data — University of Michigan | <ul style="list-style-type: none">• Introduction to Front-End Development — Meta• Python Programming Essentials — Rice University• React Basics — Meta• Create Your First Web App with Python and Flask — Coursera• Modern JavaScript for React JS – ES6 — Udemy• Introduction to Google SEO — UC Davis |
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INTERESTS

Continuous learning · AI & side projects · Chess · Football · Traveling · Photography