

ASHFAQ NABI

Software Engineer | Full Stack, AI Integration & Salesforce Development

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PROFESSIONAL SUMMARY

Results-driven Software Engineer with 2.5+ years of experience architecting full-stack web applications, AI-powered automation systems, and Salesforce platform solutions. Proficient in React.js and Next.js frontends, Node.js, Express.js, and Nest.js backends, and LLM integration via OpenAI and Google Gemini APIs. Experienced in Salesforce development including Apex, Lightning Web Components (LWC), and SOQL. Strong track record optimizing API performance, implementing JWT authentication, and deploying production systems on AWS, Vercel, Render, and Salesforce Cloud. Committed to agile methodologies, test-driven development, and clean code practices.

TECHNICAL ACHIEVEMENTS & DISTINCTIONS

- Architected and deployed 4+ full-stack production applications with 99.9% uptime, serving authenticated users via JWT-secured REST APIs.
- Designed an AI-powered test automation platform using Google Gemini 2.3 Pro APIs, reducing manual test case authoring time by an estimated 70%.
- Developed a Go-based browser automation framework with Chrome DevTools Protocol, anti-detection capabilities, and ethical rate-limiting.
- Built LinkVault, a URL shortening service processing 1,000+ monthly redirects with sub-100ms response latency and real-time analytics.
- Capstone AI Resume Builder recognized for innovative use of OpenAI GPT-4 APIs in dynamic content generation and adaptive UI rendering.

PROFESSIONAL EXPERIENCE

Web Development Intern | Abun.com — Remote

Apr 2025 – Oct 2025

- **Frontend Architecture:** Built responsive, mobile-first UIs and reusable React.js 18 component libraries using Tailwind CSS and Bootstrap 5. Ensured cross-browser compatibility and WCAG 2.1 accessibility standards across all deliverables.
- **Backend Development:** Designed RESTful APIs with Node.js and Express.js, implementing middleware for error handling, request validation, and CORS policies. Maintained seamless data flow between MongoDB, PostgreSQL, and client-side state management.
- **Performance Optimization:** Conducted Lighthouse and WebPageTest audits. Implemented code splitting, lazy loading, and Redis caching, reducing average page load times by 40% and improving API response efficiency by 35%.
- **Agile Collaboration:** Worked in 2-week Scrum sprints with product managers, UX designers, and senior engineers using Jira and GitHub Projects. Participated in daily standups, sprint planning, and retrospectives to deliver features on schedule.
- **Quality Assurance:** Authored unit and integration tests using Jest and React Testing Library. Conducted peer code reviews enforcing ESLint/Prettier standards and maintained technical

documentation in Confluence and README repositories.

Software Development Intern | A2IT Online — Chandigarh

Jun 2023 – Jan 2024

- **Full-Stack Development:** Developed multi-tiered web applications using Python 3, Django 4, and Django REST Framework. Applied MVC architecture with clean separation across models, serializers, views, and URL routers.
- **Authentication & Security:** Integrated JWT-based authentication and role-based access control (RBAC) across API endpoints. Added OAuth 2.0 social authentication via Google and GitHub using django-allauth.
- **Database Design:** Designed normalized PostgreSQL and MySQL schemas applying 3NF principles. Optimized slow queries using Django Debug Toolbar and PostgreSQL EXPLAIN ANALYZE, adding composite indexes and materialized views for reporting dashboards.
- **Cloud Deployment:** Contributed to CI/CD pipelines using GitHub Actions for automated testing and deployment to AWS EC2 and Heroku. Configured Gunicorn with Nginx reverse proxy, SSL via Let's Encrypt, and static file serving via AWS S3 with CloudFront CDN.
- **Code Quality:** Debugged UI inconsistencies and refactored legacy jQuery code into modern React components, reducing bundle size by 40%. Enforced PEP 8 standards and participated in weekly mentor-led code review sessions.

Full Stack Developer | Independent & Freelance Projects — Remote

Jan 2024 – Mar 2025

- **AI TestCase Generator:** Built a full-stack platform integrating Google Gemini 2.3 Pro APIs with advanced prompt engineering to auto-generate intelligent test suites from GitHub repositories. Implemented OAuth 2.0 GitHub integration, AST-based code parsing, and automated PR comment workflows. Frontend built with React.js; backend with Node.js, BullMQ, Redis, and MongoDB Atlas.
- **AI-Powered Resume Builder:** Developed an intelligent resume generation application using React.js, Node.js/Express, and OpenAI GPT-4 API. Featured adaptive prompt templates based on job description analysis, real-time collaborative editing with Socket.io, and PDF export via Puppeteer. Deployed on Vercel with serverless API routes and MongoDB Atlas.
- **LinkVault:** Architected a secure URL shortening platform handling 1,000+ monthly redirects with sub-100ms latency. Implemented custom base-62 encoding, JWT authentication with refresh token rotation, click analytics with Chart.js dashboards, and rate-limiting middleware. Live at <https://linkvault.vercel.app>
- **LinkedIn Automation System:** Developed a Go-based browser automation framework using Chrome DevTools Protocol (CDP). Included anti-detection with fingerprint randomization, human-like mouse movement via Bézier curves, and intelligent request throttling with exponential backoff. Designed a modular JSON-configurable plugin architecture for extensible workflows.

EDUCATION

Master of Computer Applications (MCA)

Baba Ghulam Shah Badshah University | Mar 2021 – Dec 2023

- **Specialization:** Full Stack Development, Cloud Computing, and Artificial Intelligence with focus on scalable web architectures and machine learning integration.
- **Coursework:** Advanced Java Programming, Software Engineering & SDLC, Modern Web Technologies, Cloud Architecture & Distributed Systems, Data Science & Analytics, Machine Learning & Neural Networks, Database Management Systems & Data Modeling, Cybersecurity Fundamentals.

- Capstone Project: AI-Powered Resume Builder — Intelligent resume generation platform using React.js, Node.js/Express, and OpenAI API with dynamic content optimization and real-time collaborative editing.

Bachelor of Computer Applications (BCA)

Government Degree College, Ganderbal | Mar 2017 – Apr 2021

- Foundation: Programming Fundamentals, Data Structures & Algorithms, Database Management Systems, Operating Systems, Computer Networks, and Software Engineering.
- Practical Training: Hands-on laboratory experience in C, C++, Java, and Web Development (HTML/CSS/JavaScript/PHP). Developed analytical problem-solving skills through 50+ algorithmic programming exercises.
- Final Year Project: Online Attendance Management System — Complete PHP and MySQL-based attendance tracking platform with role-based dashboards, automated reporting, and data integrity safeguards for academic institutions.

TECHNICAL SKILLS & COMPETENCIES

Languages: Java, JavaScript (ES6+), Python 3, Go (Golang), SQL, HTML5, CSS3, Apex

Frontend: React.js, Next.js, Bootstrap, Tailwind CSS, Chart.js, Lightning Web Components (LWC), Responsive Design, Accessibility (WCAG 2.1)

Backend: Node.js, Express.js, Nest.js, Django, Django REST Framework, REST APIs, GraphQL (Basic), JWT Authentication, OAuth 2.0, Session Management

AI & LLM Integration: OpenAI API (GPT-3.5/4), Google Gemini API (2.3 Pro), Prompt Engineering, Conversational AI, AI Model Optimization, Context Window Management

Salesforce: Apex, Lightning Web Components (LWC), SOQL, Salesforce REST APIs, Process Builder & Flows, Salesforce DX, Custom Objects & Triggers, Security Model

Databases: MongoDB, MySQL, PostgreSQL, Salesforce Database, Redis

Cloud & DevOps: AWS (EC2, S3, Lambda), Vercel, Render, Firebase, Heroku, CI/CD, Docker (Basic)

Tools & Platforms: Git, GitHub, Postman, VS Code, Chrome DevTools Protocol, Salesforce CLI, Jira, Confluence

Concepts: OOP, MVC & MVVM Architecture, Microservices, API Integration, Data Structures & Algorithms, TDD, Agile/Scrum, Clean Code

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- Full Stack Development in Python and Django — A2IT Online, 2023 | Comprehensive program covering Django ORM, REST API development, authentication systems, and deployment workflows.
- Professional Certificate in Prompt Engineering — 2024 | Advanced certification in prompt engineering techniques, LLM optimization, conversational AI design, and AI model fine-tuning.
- Salesforce Platform Development — Self-directed learning via Trailhead modules and hands-on practice with Apex, LWC, SOQL, and Salesforce DX in Developer Edition orgs.