



Nadeem Ahmad

Software Engineer & AI Enthusiast

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[Profile]

I am a dedicated **Software Engineer** with over **7 years of experience**, passionate about **creating impactful products** that users love.

As an **AI enthusiast**, I'm always eager to **learn new technologies and tools**, and I enjoy diving into **side projects** to explore innovative ideas. I prioritize **customer satisfaction**, focusing on rigorous **testing**, accessibility, effective **teamwork**, and maintaining high **code quality** to ensure optimal user experiences.

[Employment History]

Senior Full Stack Engineer @ Epilot GMBH, Köln, Germany
February 2021 — Present

- E-pilot is a cloud-based software that allows you to map your entire processes digitally in a flexible and easy way.
- Working as a **full-stack engineer** at one of the leading energy-solution-based.
- **Collaborating with Product Managers**, Customer Success team, Designers, and pairing with fellow Engineers to build end-to-end features.
- Actively participating in **brainstorming sessions** and idea generation, contributing to the innovation and growth of the product.
- Demonstrated a deep understanding of **user needs** and **technical requirements**, bridging the gap between user expectations and technical feasibility.
- Authored Request for Comments (**RFCs**) to document and communicate proposed solutions and changes.
- Created Proof of Concepts (**POCs**) to validate the feasibility and viability of new ideas and features.
- Developed Minimum Viable Products (**MVPs**) and Minimum Lovable Products (**MLPs**) as iterative steps towards delivering valuable functionality to users.
- Prioritized and upheld high standards of **code quality**, conducting **unit and end-to-end testing** to ensure robust and reliable features.
- Consistently **delivered high-quality** features that met customer expectations, contributing to overall product excellence.
- **Techs & Tools**: JavaScript, TypeScript, React JS, Storybook, Material UI, Redux, React Query, AWS Serverless, Elasticsearch, Kibana, Logstash, Node JS, Open API, OpenAPI clients, Hasura, GraphQL, Docker, Postgres, Styled Components, SCSS, Gitlab, CI/CD, JIRA,

[Skills]

HTML5, CSS3, **SCSS**, **Styled Components**, JSS, **Tailwind**

JavaScript, JQuery, **TypeScript**, **Svelte**, **Angular**

React JS, Redux, **Zustand**, **Jatoui**, Hooks, Next JS, **React Query**, **React-native**, **SSR**

Node JS, Express, **Python**, Django, FastAPI, **GO**, **PHP**, Laravel

AWS (Elastic Beanstalk, Cloudfront, RDS, ELB, Kenesis, Secrets Manager)

AWS Serverless (Lambda, API GW, DynamoDB, Step Functions, SQS, SNS, Event Bridge, Fargate)

Docker, Kubernetes, Terraform, **SAM**, **CDK**, **SST**

Elasticsearch, Kibana, Logstash

MySQL, PostgreSQL, MongoDB, **DynamoDB**

REST, **GraphQL**, Hasura, **gRPC**, WebHooks

Redis, Memcached

WebPack, **ESBuild**, Rollup, Gulp, Grunt, **Babel**

Git, GitHub (Circle CI, Actions), **GitLab** (CI, Runners), BitBucket, **Canary** Releases, Feature flags, SonarQube

Open API, PostMan, Swagger, **Zod**, **AJV**

JWT, **OAuth**, OpenID, **SSO**

(Unit-Integration-E2E) Testing, TDD, BDD, DDD

Jest, **Mocha**, **Cypress**, **Playwright**, React testing library

Agile Development, SCRUM, **JIRA**, Trello, Confluence

Puppeteer, Casper JS, Selenium

DataDog, Tuple, **Jupyter** Notebooks, **Lerna**, **TurboRepo**, MonoRepo, Storybook

[Education]

BS Software Engineering, University of Swat, Pakistan

2014 — 2018

- GPA - **3.2 / 4.0**
- Data Structures & Algorithms / Algorithm analysis / Digital Logic & Designs / Software Architecture & Designs / Software Requirements & Specifications / Project Management / Artificial Intelligence / Cloud Computing / Cyber Security / Data Mining

Confluence, Miro, MS Teams, Slack, Tuple.

Product Engineer @ Vidy (remote), USA

August 2020 — January 2021

- **Vidy** embeds videos behind the text of web pages through the NLP protocol.
- I was responsible to **understand features** from the users perspective
- **Brainstorm** new features and discuss them with team
- Understanding the **users need and business plan** and convincing the team to have a balance
- Responsible for the **design and creation** of the platform.
- Performing constant market analysis of competing products to determine and establish customer needs and requirements.
- **Refactored** existing code base to **Svelte** resulting in vastly improved developer experience
- Developed components/component interfaces for a product with 14M unique visitors a month.
- Engineered a **fine-grained reactive framework** for a vanilla JavaScript codebase.
- **Techs & Tools:** Svelte (TS), JavaScript, React JS, Node JS, Typescript, SCSS, JSX, CSS Modules, GitHub, Slack.

Senior Full Stack Developer @ IBM, Abu Dhabi

November 2019 — May 2020

- Worked as a Full-Stack Engineer on **TAMM** project at **IBM**.
- TAMM's portal provides its customers, whether UAE citizens, residents, visitors or investors with a comprehensive range of government services through one single point of access at any time and place. Using TAMM's portal, customers can have direct access to information without having to visit each and every government entity.
- As a **Full Stack Engineer**, collaborated effectively with **cross-functional teams** including **DevOps**, Vulnerability Assessment and Penetration Testing (**VAPT**), Quality Assurance (**QAs**), Designers, and fellow Engineers.
- Adhered to **Agile development** methodologies, working closely with a dedicated **Scrum Master** and **Project Manager** to ensure efficient product development.
- Specialized in front-end development using React, leveraging existing components to create a polished user interface that accommodated both Arabic and English localizations.

[Extra-curricular activities]

AI & Machine Learning

Present

- Actively engaged in continuous learning and practical application of AI and Machine Learning principles.
- Undertaking a series of small-scale projects to deepen knowledge and gain hands-on experience in AI and ML.
- Collaborating with peers on AI-related projects, fostering a dynamic and creative learning environment.
- Exploring AI frameworks, libraries, and tools to stay updated with industry trends and advancements.

Writing blogs

Present

- Passionately contributing to a personal blog on Medium dedicated to sharing insights and discoveries in the field of technology.
- Regularly publishing well-researched technical blog posts that discuss my learning journey and findings.
- Creating content that simplifies complex concepts, making them accessible to a broader audience.
- Eagerly seeking new topics and challenges to tackle in my blog, driven by a deep enthusiasm for knowledge sharing and communication.

[Internships]

Internee at Teknords, Swat, KP, Pakistan

Aug 2012 — March 2014

- During my internship experience with Teknords, I was able to develop my Web Development Skills.
- I particularly found the Web Designing very interesting, and to be useful in improving my HTML, CSS, Bootstrap and JavaScript Skills.
- I also learned JQuery and found it very useful to make a website interactive.
- Although I found JavaScript to be a little bit challenging when I dived deep into the data structures, I found it valuable in developing my algorithmic skills.

[Languages]

English, German (learning), Urdu, Pashto

- Demonstrated proficiency in building **robust APIs** and implementing business logic using **Node.js**, contributing to the project's back-end development.
- Actively engaged in **customer meetings**, playing a pivotal role in understanding **customer requirements**, gathering feedback, and ensuring the product's quality and alignment with customer expectations.
- Additionally, I actively contributed to the growth of the team by **mentoring junior engineers**. Assisted them in onboarding, provided guidance for their day-to-day tasks, and engaged in **pair programming** sessions to facilitate their professional development.
- **Techs & Tools:** React, Redux, Node, Express, TypeScript, Elastic Search, SonarQube, Jest, Docker, Gitlab, Gitlab Pipelines, Jira, Confluence, Microservice Architecture, Swagger, Postman, Slack

Senior Full Stack Software Engineer @ Eziline, Islamabad

July 2018 — Sep 2019

- Worked as a **Full Stack Developer** at Ezline, which is a software solutions company providing digital services.
- I have worked on a diverse range of **software projects**, gaining valuable experience in **various domains**.
- Designed and **optimized databases** to enhance data management and retrieval efficiency.
- Developed dynamic and **user-friendly web platforms** using a wide range of technologies, including JavaScript, jQuery, Angular, PHP, and Laravel.
- Collaborated with **cross-functional teams** to understand project requirements and ensure **seamless integration** of front-end and back-end components.
- Implemented **responsive design** principles to ensure optimal user experiences across devices.
- Conducted **code reviews**, identified areas for improvement, and provided **constructive feedback** to team members.
- Successfully **delivered projects on time**, consistently meeting or exceeding client expectations.
- **Techs & Tools:** JavaScript, Angular, Ngrx, PHP, Laravel, MySQL, Swagger, Postgres, GitHub, HTML5, CSS3, Browser plugins.

Front End Engineer @ Dinkum, Swat, KP

Nov 2016 — April 2018

- Worked with a team to transform the aging application from classic asp to **single page** modern app.

- Developed **single page application** architecture of the new application with Angular JS.
- Gave hands-on training to new engineers on **SPA**. Developed notifications, Ajax calls, drag & drop components.
- **Techs & Tools:** HTML5, CSS3, JavaScript, JQuery, Angular JS, Bootstrap, Django, PHP, MySQL, MongoDB.

Full Stack Developer @ Teknords, Swat, KP, Pakistan

March 2014 — April 2016

- Initially joined Teknords, worked for two years as an internee, and then started working as a Full Stack Developer.
- Worked closely with business analysts, managed, and trained a small team of engineers. Project planning on the lower level, task assignments, code testing, and reviewing was the key roles I was involved in.
- Remained committed to **learning and growing** inside this exciting industry.
- Worked with a strong **attention to detail** and a keen eye for projects that need attention.
- **Techs & Tools:** JavaScript, JQuery, PHP, Laravel, MySQL, Google Maps, Browser extensions, Web Scrapping.