Het Patel

patel.hetas@northeastern.edu | 857-544-9003 | linkedin/het1074 | github/patelhet04 | hetpatel.dev

EDUCATION

Northeastern University, *M.S. Information Systems, GPA: 3.61* Sep 2023 – May 2025
Relevant Coursework: Web Development, Programming Structures and Algorithms *Boston, MA*

Gujarat Technological University, *B.E. Computer Science, GPA: 3.76* Aug 2016 – Jun 2020
Relevant Coursework: Operating Systems, Object-Oriented Programming (OOP), Core Java *Gujarat, India*

TECHNICAL SKILLS

Languages: HTML5, CSS3, JavaScript, Java, Golang, Python, SQL
Web Technologies: React, Node.js, Express, Spring Framework, GenAI, REST APIs, MVC, Jest, JUnit
Databases and Cloud: MySQL, PostgreSQL, MongoDB, Redis, Git, AWS, Docker, Kafka, Jenkins
Methodologies: Test-Driven Development, SCRUM, Software Development Lifecycle

WORK EXPERIENCE

Software Engineer, *Silver Webbuzz Private Limited* Sep 2021 – Aug 2023
Tech Stack: Node.js, Spring Boot, AWS, React, REST APIs, Git, Microservices *Gujarat, India*
- Developed a **Node.js** media pipeline utilizing **AWS EC2**, **S3**, and **CloudWatch**, maintaining a throughput of 50 files per minute and **decreasing storage costs** by 40%
- Collaborated with **cross-functional teams** to design a microservices platform using **Spring Boot**, **PostgreSQL**, and **Docker**
- Led testing and **debugging** for said Spring Boot app with **JUnit** & **Mockito**, accelerating delivery time by 2 weeks
- Initiated **Docker** & **Jenkins CI/CD** integration for a **Node.js** app, cutting deployment time by 75% and enhancing code reliability
- Designed a **React** & **TypeScript** e-commerce platform, deployed with **S3**, **CloudFront**, and **Route 53**, achieving a 4.9/5 rating in the client satisfaction survey
- Automated PDF data extraction for a healthcare site with **Python** & **GPT-4 LLM**, reducing manual entries by 78%

Software Engineering Intern, *ShineStar Web Solutions* Dec 2019 – Apr 2020
Tech Stack: Node.js, React, REST APIs, Git, MongoDB *Gujarat, India*
- Spearheaded a tax invoicing feature for a Fintech app with **React**, **Node.js**, and **MongoDB**, handling 500+ daily invoice requests
- Conducted **end-to-end testing** of a React app with **Jest** and **TDD** principles, increasing **code coverage** by 75%
- Authored **technical documentation** for React & Node.js codebases leveraging **Docusaurus** for better developer support
- Coordinated with the UI/UX team to **redesign over 15 key features** by employing **React** and MUI for a better user experience

PROJECTS

LeaseNest (Link) | *Java, Spring Boot, PostgreSQL, AWS S3, Kafka, Microservices* Sep 2024 – Present
- Conceptualized a leasing platform with a **microservices** architecture, developed using **Java**, **Spring Boot**, and **PostgreSQL**
- **Optimized** communication between 4 services by leveraging **Kafka** for **real-time** updates and scalable messaging
- Established secure product image uploads with **AWS S3**, ensuring **reliable storage** and easy access for users

Chat-Stream (Link) | *Node.js, Kafka, Redis, PostgreSQL, React, TypeScript* Jun 2024 – Jul 2024
- Coded a **real-time** messaging system with **Socket.io**, **Node.js**, and **React** for enhanced performance and smooth user interaction
- Built a **messaging pipeline** with **Kafka** & **Redis** and optimized data storage with **PostgreSQL**, minimizing latency by 40%

Climate Care (Link) | *React, Typescript, Node.js, MongoDB, Redux, Material UI* Mar 2024 – Apr 2024
- Guided a team of 3 to build a **MERN stack** climate awareness app following **Agile Scrum** methodology for rapid development
- Devised **JWT** for secure, **role-based authentication**, improving user-access control and application **security**
- Executed deployment of **Node.js** on **AWS Lambda** and React on **GitHub Pages** with **CI/CD via GitHub Actions**

Personal Portfolio (Link) | *NextJs, Typescript, Github Actions, TailwindCSS, GSAP* Feb 2024 – Mar 2024
- Created Next.js/TypeScript portfolio with **Server-side Rendering** and React Suspense, for better SEO and reduced load times
- Implemented CI/CD pipeline via **GitHub Actions**, decreasing **deployment time by 60%** and ensuring seamless releases