PANKTI SHAH

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EDUCATION

Northeastern University, Boston, MA | Masters of Science, Information Systems   December 2023
- Courses: Cloud Computing, Application Development, Web development methods, Web Design, Data Structure and Algorithm

Gujarat Technological University, India | Bachelor of Engineering, Computer Science   May 2014

PROFESSIONAL WORK EXPERIENCE

Software Engineer | Abecedarian, LLC. |United States   March 2024 - Present
- Leading the development of front-end Humanitarians AI, Building user interfaces using ReactJS, TypeScript, Material UI ensuring seamless integration with Figma prototypes. Contributing to the development & deployment of REST APIs in **python** and **GCP**

Full stack developer co-op | STAT health Inc. | Boston, MA, United States   June 2020 - Dec 2021
- **Automated** manual process via user management **Node.js microservices**, integrating multi-device user registration through **AWS** Cognito, Amplify, DynamoDB, S3, Lambda, GitHub Actions. Achieved 60% improved efficiency and scalability
- Worked closely with product manager at a **startup** to develop a mobile application for visualizing data, collected by the discreet in-ear wearable device. Employed **React Native**, **TypeScript** for intuitive, engaging real-time user interfaces (UI)
- Architected and deployed an event-driven data pipeline, achieving a 40% faster conversion of raw parquet data to JSON data
- Contributed to Continuous Integration deployments **CI/CD** using **Git** Version Control Systems for standardized development workflow

Software Engineer | Atyantik Technologies | India   Feb 2020 - Aug 2021
- Played a key role for front-end team, providing technical direction and mentorship in **ReactJS** & **Redux**, facilitating professional growth through regular **code reviews** and feedback sessions
- **Collaborated** with cross-functional teams, backend team, UI/UX designers throughout the **SDLC**, ensuring seamless front-end and backend integration. Participated in design discussion for cohesive user experience in a fast-paced agile environment
- Initiated development of a scalable, reusable ReactJS code components library by cataloging in **Storybook** for documentation
- Accomplished **API design** utilizing **GraphQL**, **Node.js** enhancing data retrieval efficiency by 20%
- Ensured high code quality and testability with Unit testing tools like **Cypress** and **Jest**. Optimized app size by 30%, improving performance, reducing load times through code refactoring, **caching**, debugging and problem solving

Software Engineer | Novumlogic Technologies | India   April 2018 - Jan 2020
- Led the development of a fleet management mobile application (Android & iOS) that logs and visualizes real-time vehicle location data on Google Maps. Utilized React Native, Redux, Node.js, and GPS loggers. Tracked timeline through **Jira**
- Improved app performance by **30%**, utilizing asynchronous programming, using Promises and Event Emitters to eliminate callback loops
- Built a real-time push notification framework with **Firebase** (Firebase cloud messaging service) that reduced server overhead by **80%**
- Optimized application performance by reducing bundle size by 4MB using **Webpack** bundler, resulting in a 30% decrease in build time
- Built **RESTful APIs** endpoints using **Spring Boot** to extract data from **MySQL** database, applied object-oriented principles (OOP)
- Enhanced backend system **security** and scalability by Integrating **OAuth**, **JWT authentication** layer to Spring Boot REST APIs

Front End developer | Siya Technologies | India   Nov 2016 - Jan 2018
- Implemented & maintained seat booking dashboard using **HTML5**, CSS3, JavaScript ES6, jQuery, Bootstrap
- Integrated **AJAX** calls into an E-commerce website, enhancing real-time customer engagement

web developer | Bonafide Research and marketing Pvt Ltd | India   April 2015 – Dec 2015
- Designed and developed responsive company web application with HTML5, CSS3, CSS media queries, JavaScript
- Utilized **debugging** tools like Chrome DevTools, reducing bug reports by 20%

CORE COMPETENCIES & SKILLS

- **Programming Languages:** Java, JavaScript ECMAScript 6, Python, TypeScript
- **Web Technologies:** Spring Boot, Spring MVC, Hibernate ORM, Express.js, Angular, JSON, graph-QL, Tailwind CSS, Sass, React, Node
- **Tools & Frameworks:** Git, Jest, Mocha, Maven, Gradle, Webpack, OAuth 2.0, Junit, TestNG, Cypress, Jasmin, Karma, TDD, WebSocket
- **Database:** MySQL, Oracle, PL/SQL, MS SQL Server, NOSQL: Postgres, MongoDB, DynamoDB, Redis
- **Cloud Technologies:** AWS (EC2, RDS, VPC, IAM, S3), Docker, Kubernetes, Apache Kafka, Terraform

ACADEMIC PROJECTS

Cloud based Customer Management System
- Containerized Node.js based REST API with Docker, stored images in ECR, deployments to EKS for high availability, implemented RDBMS
- Streamlined **CI/CD** pipeline using CloudFormation, GitHub Actions, Docker, Kubernetes for robust deployment
- Worked on AWS CodeDeploy for automation, CloudWatch for monitoring, added IAM roles for access control