SIDHDHARTH PANDYA

sidhdharth19pandya@gmail.com | (341) 356-2676 | Linkedin | GitHub

PROFESSIONAL SUMMARY

Software Engineer with **3+ years** of experience in **full-stack development**, specializing in **Java, Python, Node.js, JavaScript (ES6+), React, and Express.js**. Strong expertise in **building RESTful APIs, integrating RDBMS/NoSQL, front-end security, and accessibility**. Adept in **unit testing, performance optimization, Agile methodologies, CI/CD, cloud-based deployments** and **cross-functional collaboration**. Passionate about delivering **secure, scalable, and high-performance web applications**.

EXPERIENCE

Amazon | System Development Engineer   **July 2024 – Present**
- Enhanced **caching** by migrating co-hosted cache to dedicated regional caches, improving latency- **API response times** by **20%**.
- Engineered **CloudWatch monitors**, enhancing **real-time issue detection and reducing response times** by **30%**.
- Strengthened **infrastructure scalability by 15%**, implementing **automated scaling policies and load balancing** for **99.9% uptime**.
- Coordinated **cross-functional Game Day readiness**, reducing **downtime risks by 10%** through **proactive system testing and failure simulations**.

Lucid Motors | Software Engineer - DevOps & Build Infrastructure   **Oct 2023 – July 2024**
- Spearheaded **migration** from a third-party platform to an **in-house full-stack solution** using **Node.js, JavaScript (ES6+), React, and Java**, enhancing system flexibility and maintainability.
- Architected and fine-tuned **scalable RESTful APIs**, integrating them with **Oracle and NoSQL databases**, improving **query efficiency by 25%**.
- Streamlined **CI/CD pipelines** in Jenkins, reducing **manual deployment efforts by 40%** and accelerating release cycles.
- Established **test automation** using **Jest, Selenium, and Python**, improving release stability and reducing deployment time **by 30%**.
- Refined **version control** and **team collaboration** by optimizing Git workflows, reducing **merge conflicts by 20%**.

DSK Services LLC | Software Development Engineer   **Feb 2023 – Sep 2023**
- Designed **full-stack web applications** using **React.js, Node.js (Express), JavaScript (ES6+), Python, HTML5, and CSS3**, improving **system efficiency and scalability**.
- Built **scalable RESTful APIs**, integrating **PostgreSQL and NoSQL (MongoDB, DynamoDB) databases**, improving **query performance by 30%** and enabling **efficient data retrieval**.
- Implemented **authentication and security enhancements**, including **JWT** authentication**,** role-based access control **(RBAC), and SAML/OIDC** integration with **OKTA**, reducing **manual credential handling and strengthening security**.
- Automated **CI/CD pipelines** using **Jenkins** and **GitHub Actions**, increasing **deployment efficiency, improving test coverage by 40%,** and **reducing regression issues**.
- Engineered **middleware solutions** for **user authentication and data synchronization**, increasing **system productivity by 15%** through **asynchronous data processing**.

Arvaan Techno-Lab Pvt. Ltd | Software Engineer   **Aug 2019 – Nov 2020**
- Developed **healthcare applications** using **Python, Flask, Django, and PostgreSQL**, ensuring **HIPAA compliance and secure data processing.**
- Used **MVC architecture** for scalable web applications, **enhancing code maintainability** and **reducing deployment errors by 30%**.
- Constructed and refined **RESTful APIs**, improving **data retrieval efficiency and reducing API response times by 35%** through **query indexing and caching strategies**.
- Integrated **authentication and access control mechanisms**, implementing **JWT-based authentication and role-based access management**, strengthening **data security**.
- Partnered with **cross-functional teams,** improving adaptability and increasing productivity by **20%** through **Agile methodologies**.

SKILLS

Languages & Frameworks: Python, Java, JavaScript, Node.js (Express), React.js, Spring MVC, Flask, Django, HTML5, CSS3,Bootstrap

Databases & Cloud   : OracleDB, PostgreSQL, NoSQL (MongoDB, DynamoDB, Redis), AWS (EC2, S3, CloudWatch), Azure, GCP

DevOps & CI/CD   : Docker, Kubernetes, Jenkins, GitHub Actions, Terraform, Git, Jira, Agile (Scrum)

Testing & Security   : Postman, Jest, Mocha, Selenium, JWT Authentication, SAML/OIDC (Okta)

Tools & Methodologies : RESTful APIs, Git, Agile/Scrum, Test-Driven Development, Microservices Architecture

EDUCATION

Master of Science in Computer Science – California State University, East Bay – CA

Bachelor of Engineering in Computer Engineering – LDRP Institute of Technology and Research, Gujarat – INDIA

CERTIFICATIONS

AWS Cloud Practitioner, OKTA Certified Professional & Administrator, Google's Python Development