SWARAJSING PATIL | swarajsingpatil@gmail.com | +1 5513437450 | Portfolio | LinkedIn | Jersey City, NJ

SUMMARY

Software Engineer with experience in full-stack development, cloud infrastructure, and DevOps. Skilled in building scalable web applications, automating deployments, and optimizing performance using technologies like React, Node.js, AWS, and Terraform.

EDUCATION & CERTIFICATIONS

Master of Science in Computer Science, Stevens Institute of Technology   *September 2022 – May 2024 | Hoboken, USA*
   Courses: Web Programming, Agile Methodology for Software Development, Software Requirement & Analysis

Bachelors of Science in Computer Science, University of Mumbai   *August 2017 – May 2021 | Mumbai, India*
   Courses: Object Oriented Programming, Advanced Algorithms, Database Management Systems, Data Structures

- AWS Certified **Solutions Architect** – Associate (SAA-C03)
- HashiCorp Certified: **Terraform Associate** (003)

SKILLS

Programming / Scripting Languages – Python, JavaScript, C#, Java, TypeScript, Bash, Powershell
Technologies – React, GraphQL, NodeJs, FastAPI, Django, NextJs, REST, Redux, Redis, Grafana, Spark, Hadoop, Agile
Databases – MySQL, PostgreSQL, MongoDB, Oracle, Influx-DB
Cloud Technologies – Amazon Web Services(AWS), Google Cloud Platform(GCP)
DevOps Tools – Jenkins, Docker, Kubernetes, Terraform, Git, Ansible, Bitbucket, CI/CD

WORK EXPERIENCE

Software Engineer Intern, Changing the Present   *June 2024 – Present | New York, United States*
- Improved page load times by 25% through optimizing **React** and **Redux** components
- Developed **RESTful APIs** with **Node.js**, reducing response times by 30% for high-traffic operations.
- Automated cloud deployments with **AWS Lambda** and **Terraform**, cutting infrastructure costs by 20%
- Optimized database queries by 40% by refactoring **PostgreSQL** schema and indexing, improving data retrieval speed
- **Tech Stack**: React, Redux, Node.js, AWS Lambda, Terraform, PostgreSQL

DevOps Engineer, Sigmoid   *March 2021 – March 2022 | Bengaluru, India*
- Designed & developed **full-stack** web applications using React, NodeJS, **increasing user engagement by 30%**
- Managed **Docker** & **Kubernetes** for scalable solutions, boosting 80% scalability, **saving 30 hours per project**
- Integrated **data streaming** tools like **Apache Kafka** & **Amazon Kinesis**, providing clients with **real-time data**
- Created and optimized APIs with Python and FastAPI, speeding up **response times by 25%**
- Built & optimized data pipelines using **AWS S3**, **Redshift**, Snowflake & Teradata, **cutting query times by 30%**
- Increased **deployment efficiency by 40%** & **reducing 35% errors** by implementing **CI/CD** pipelines using **Jenkins**
- Reduced **50% Cloud Infrastructure setup time**, increased 30% reliability by automating & provisioning with **Terraform**
- Enhanced **security and compliance** with **AWS IAM** policies, adhering to established standards
- **Tech Stack**: React, NodeJS, Docker, Kubernetes, Apache Kafka, Amazon Kinesis, Python, FastAPI, AWS S3, Redshift, Snowflake, Teradata, Jenkins, Terraform, AWS IAM, CI/CD

Software Engineer Intern(RPA), Feat Systems   *June 2019 – August 2019 | Mumbai, India*
- Implemented **authentication** technologies such as **OAuth** and **SSL** to ensure **secure data transactions**
- Collaborated with **cross functional** teams to develop and deploy web applications usingPython **Django** framework
- Developed automation with UI-Path, processing **data extraction for 8000 files** using OCR, **reducing 75% manual work**
- Utilized **MySQL** & **PostgreSQL** databases for data storage & retrieval, **optimizing queries performance**
- **Tech Stack:** OAuth, SSL, Django, Python, UI-Path, OCR, MySQL, PostgreSQL

ACADEMIC PROJECTS

Nurture Nest/ Baby Care   *February 2023 - April 2023*
- Boosted user engagement by 30% through engineering a job module using React and Redux
- Reduced time-to-hire by 25% with an Applicant Hiring portal using Firebase authentication
- Enhanced communication with real-time chat implementation using socket.io

Fast API E-Commerce: *December 2023 – January 2024*
- Optimized product browsing and purchasing by developing an e-commerce platform with Python FastAPI
- Restricted unauthorized access attempts by integrating JWT authentication
- Improved message processing time by 60% and deployment time by 30% with Kafka and Docker

Cryptocurrency Portfolio Tracker: *December 2023 – January 2024*
- Developed a cryptocurrency portfolio tracker with Django, enabling secure user authentication
- Visualized portfolio performance with Plotly charts and improved performance by 40% using Redis caching
- Implemented user portfolio management features, allowing users to add, update, and track their investments

SIGNIFICANT PROJECTS

Stowage Planner: Flask based web-app, reduced 40% loading time & increasing user satisfaction by 30% with algorithm
SubSplit-Subscription: Streamlined shared memberships & interest-based groups management with MongoDB & NodeJS
Multiplayer Tic-Tac-Toe: Real-time collaboration app with FluidFramework, Puppeteer, Docker with login and admin features