HARSH SHAH
SOFTWARE ENGINEER

Boston, MA • (+1) 832-494-0968 • nobugs.harsh@gmail.com • [Website](#) • [LinkedIn](#) • [Github](#) •

PROFESSIONAL SUMMARY AND SKILLS

Eager Software Engineer with 5 years of proven experience in the software development lifecycle, specializing in system design, implementation, optimization, and deployment. Skilled in building scalable, high-availability systems and APIs. Demonstrated excellent written and verbal communication skills in cross-functional Agile, Scrum, and Kanban teams
.

Programming: PHP, Python, Javascript, Typescript
Backend Frameworks: Laravel, Django, Flask, FastAPI
API Development: REST, GraphQL, gRPC
Frontend Development: React, NextJS, Bootstrap

Database: MySQL, Redis, NoSQL, PostgreSQL
Containerization: Docker, Kubernetes
Soft Skills: Team Player ● Time Management ● Leadership ● Detail Oriented ● Problem Solving

PROFESSIONAL EXPERIENCE

Software Developer, mDesign
REMOTE (July 2023 - April 2024)

- Designed and implemented a data processing microservice, facilitating **seamless API integrations** with industry giants such as Amazon, ChannelEngine, Walmart, and P2P, resulting in a **40% improvement** in data retrieval speeds
- Utilized AWS services, including **EC2, S3, Lambda, and RDS**, to build robust and scalable backend systems, resulting in a **10% reduction** in infrastructure costs
- Reduced deployment errors by **25%** through the implementation of **object-oriented programming (OOP) and test-driven development (TDD), automated testing tools and rigorous code review processes**
- Modified and managed multiple MySQL and PostgreSQL databases ensuring data integrity, scalability and security, resulting in a **25% increase** in overall data retrieval speeds
- Improved system responsiveness by **30%** and boosted user experience through integration of **Redis** for caching and **Apache Kafka** for high-throughput, real-time data feeds
- Collaborated with frontend developers to **integrate backend services using internal APIs**, resulting in a seamless user experience and a **20%** improvement in response time for data heavy reports and dashboards

Software Engineer, Friendemic (acquired by Kenect)
REMOTE (July 2022 - June 2023)

- Refactored a **monolithic application into a microservice** architecture using **RESTful APIs** enabling seamless scheduling, analysis, and maintenance of **1,000,000+** social media posts across several platforms
- Optimized queries by identifying and resolving bottlenecks, resulting in a **20% reduction in query execution time** and a **15% improvement in system responsiveness**, resulting in enhanced performance and improved user experience
- Designed and implemented a complex microservices architecture using **Docker Compose** to streamline development workflow ensuring consistent environments across development, testing, and production stages
- Collaborated with developers to successfully migrate a legacy application infrastructure from **AWS to GCP** using **Terraform**, ensuring a smooth transition with **minimal downtime** while **enhancing system performance by 30%**

Software Developer, System Soft Technologies
TAMPA, FL (October 2019 - June 2022)

- Implemented **GraphQL APIs with Redis** caching to achieve a 30% optimization in data fetching efficiency, significantly improving response times and overall system performance
- Automated deployments with **CI/CD pipelines** on BuddyWorks and Jenkins, leveraging shell scripts, containerization, and **IaC methodologies**, decreasing server downtime by **33%**
- Ensured code quality and adherence to **SOLID** principles through rigorous code reviews, unit-testing, and User Acceptance Testing (UAT), leveraging testing frameworks, resulting in a **25% reduction in post-release defects**

Graduate Research Assistant, SUNY Polytechnic Institute
UTICA, NY (August 2017 - December 2018)

- Engineered a **Python-based data processing pipeline** optimized for large dataset analysis, incorporating **NumPy** for efficient array manipulation, resulting in a **12%** reduction in data processing time, enhancing research productivity

Web Development Intern, Tidbit Solutions
AHMEDABAD, INDIA (August 2015 - June 2017)

- Participated in **writing and modifying scalable code** along with building MySQL scripts and stored procedures for database operations on various websites and web-applications

EDUCATION

SUNY Polytechnic Institute, Utica, NY
Master of Science in Computer Science
(August 2017 - April 2019)

School of Computer Studies Ahmedabad, India
Bachelor's in Computer Applications
(June 2013 - April 2017)