Rishav Kumar

rishav.org | hello@rishavkumar.io | 602.625.0539

EDUCATION

ARIZONA STATE UNIVERSITY
MS in Computer Science
Aug 2024 | Tempe, AZ
GPA: 3.81 / 4.0

ARIZONA STATE UNIVERSITY
BS in Computer Science
Dec 2023 | Tempe, AZ

LINKS

Github:// **hellorishav**
LinkedIn:// **hellorishavkumar**

COURSEWORK

GRADUATE
Statistical Machine Learning
Software Project & Process Management
Data Mining
Data Visualization
Software Security
Software Verification & Validation
Knowledge Representation Algorithms

UNDERGRADUATE
Operating Systems
Object-Oriented Programming
Data Structures and Algorithms
Computer Network Security
Database Management Systems
Software QA & Testing
Mobile App Development

SKILLS

PROGRAMMING
Java, TypeScript, JavaScript, Python, PHP, C, C++, React, Angular, Next.js, Node.js, SQL Server, MySQL, MongoDB, Redis, Prometheus, Druid, Grafana, Splunk, Kafka, Docker, Git, APIs, JSON, HTML, CSS

EXPERIENCE

VISA | Senior Software Engineer
Sep 2024 – Present | Austin, TX

- Leading full stack development of an AI driven analytics system that fuses Splunk logs, health checks, and change data, cutting MTTR 20%.
- Designed multithreaded **Java** microservices to run fleet wide health checks at thousands of ops/sec with <60ms P99 latency, feeding backend data.
- Scaled a multi region SWAT alerting platform (Angular, TypeScript, Python, MySQL) for real time incident response.
- Integrated infra wide event streams and health signals to surface silent failures before customer impact.

ARIZONA STATE UNIVERSITY | Software Engineer
Sep 2021 – Aug 2024 | Tempe, AZ

- Built internal student management systems using React, Next.js, TypeScript, and SQL Server, automating workflows and reducing manual overhead by 25%.
- Optimized database queries via MikroORM and API refactoring, improving performance by 30%.
- Ensured 99.999% uptime with Prometheus- and Grafana-driven monitoring, lowering MTTR by 15%.

VISA | Software Engineering Intern (2x)
May 2022 – Aug 2023 | Austin, TX

- Created a synthetic monitoring system using Angular, Node.js, Prometheus, and Grafana, improving pipeline reliability and reducing regressions by 30%.
- Built a high-performance JSON editor (Java, Redis, MongoDB) that halved backend support requests.
- Developed real-time ingestion pipelines with Kafka and Druid for large-scale anomaly detection.

PROJECTS

HOSPITAL MANAGEMENT SYSTEM | Full-Stack Developer
Sep 2016 – Aug 2021 | Remote
Built HIPAA-compliant invoicing and telehealth system using Python, PHP, MySQL, and AWS. Processed 30k+ invoices and served 3,500+ patients, reducing paperwork by 75%, and supported remote communities with accessible healthcare during COVID-19.

HOSTING CHECKER | Creator
May 2020 – Aug 2020 | Remote
Developed a fast, GeoIP-based web tool using JavaScript, PHP, and JSON to identify web hosting providers. Achieved 30k+ monthly users and became Product Hunt's Product of the Day.

AWARDS

2023	Dean's List Scholar - Arizona State University
2021	New American University Scholar - Arizona State University
2020	Apple Worldwide Developers' Conference (WWDC) Scholar
2019	Apple Worldwide Developers' Conference (WWDC) Scholar
2019	TEDx Canada, Speaker