Yashwant Gadhave

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SUMMARY

Full-stack Software Engineer with hands-on experience building scalable web applications and secure backend systems. Skilled in Java, JavaScript, TypeScript, React, Node.js, and SQL with a strong grasp of data structures, distributed systems, and cloud deployment. Proven ability to design efficient APIs, optimize performance, and deliver production-ready solutions in Agile environments. Passionate about clean architecture, automation, and solving real-world problems through reliable, user-focused software.

EDUCATION

Arizona State University **Aug 2021 - May 2025**

Bachelor of Science, Computer Science

- **GPA:** 3.96/4.00
- **Achievements:** Graduated Summa Cum Laude with a cumulative GPA of 3.96/4.00., Consistently recognized for academic excellence with Dean's List honors in 7 out of 8 semesters (Fall 2021 – Spring 2025).
- **Coursework:** Operating Systems, Distributed Systems, Database Management, Computer Organization & Assembly Language, Software QA & Testing, Probability & Statistics, Programming Languages, Web Development, Data Mining, Data Structures & Algorithms, Data Forensics , Data Modeling, System Design

EXPERIENCE

Tech Diversified **Aug 2024 - May 2025**

Software Engineering Intern *Tempe, AZ*

- Developed a scalable authentication system using Material UI that adhered to modern web standards and REST principles, enhancing session security and maintaining robust access protocols.
- Collaborated in Agile ceremonies, including sprint planning and reviews, to design and optimize dynamic UI state management for both mobile and desktop platforms.
- Refactored React Native components to increase reusability by 25% and simplify API integration, showcasing proficiency in React and modern JavaScript practices.
- Enhanced authentication security through the integration of JWT and OAuth, participating in code reviews to reduce vulnerabilities by 40%.
- Implemented backend data management using MySQL, Elasticsearch, and Docker, aligning with Agile development practices and contributing to robust web application support.
- Created SQL queries and visualizations to validate data integrity and report performance metrics.

Arizona State University **Jan 2023 - Dec 2024**

Undergraduate Teaching Assistant *Tempe, AZ*

- Instructed Digital Design, Software Engineering, and Cybersecurity courses with an emphasis on clean, well-documented coding and object-oriented design principles.
- Mentored 500+ students each semester in Python, backend scalability, and debugging, which reduced common coding errors by 50% and reinforced key software development practices.
- Guided project-based learning on algorithms and distributed systems, enhancing student outcomes and understanding of modern REST APIs and microservices architecture.
- Supported students in API development and real-world implementation of Agile methodologies, including participation in code reviews and technical design discussions.

TECHNICAL PROJECTS

Smart Grocery Assistant **Oct 2024 - Dec 2024**

- Built a full-stack web app using Next.js, React, TypeScript, Prisma, PostgreSQL, and Vercel, implementing JWT-based authentication, dynamic routing, and real-time pantry analytics.
- Designed scalable backend services using Node.js and Prisma ORM with efficient data modeling and low-latency CRUD operations.
- Engineered secure JWT-based authentication, input validation, and error handling, enhancing data integrity and application reliability.
- Built dynamic data visualization dashboards using Recharts, providing interactive insights and real-time pantry analytics.
- Deployed production-ready build on Vercel, leveraging CI/CD and GitHub integration for seamless updates.

Evolution of Music Analysis **Aug 2024 - Dec 2024**

- Developed an interactive React + D3.js web app using Node.js to explore audio trends and genre influence from 15K+ music tracks.
- Designed and implemented reusable React components with D3.js for rendering dynamic charts, timelines, and network graphs.
- Engineered scalable data-binding logic to support smooth interaction with thousands of DOM elements across multiple visualizations.
- Processed and transformed raw .csv data using Python for frontend ingestion, enabling real-time filtering and genre-specific insights.
- Applied performance optimization techniques, including memoization and throttled rendering, to maintain smooth user experience.

TECHNICAL SKILLS

- **Languages & OS**: TypeScript, JavaScript, Python, Java, C++, SQL, React, Node.js, Prisma, Bash, Express, HTML, CSS, Springboot
- **Web & Cloud**: REST APIs, OAuth, JWT, Docker, AWS (EC2, S3, Lambda), CI/CD
- **Best Practices & Tools**: Vercel, GitHub, Git, JWT, OAuth, Version Control Systems, Object-Oriented Design
- **Analytical Skills**: Tableau, Python, SQL, MySQL, PostgreSQL, Excel