# Arun Khadka

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## Summary

Full-Stack Developer and Senior Computer Science student delivering production-ready web and mobile applications with measurable business impact. Proficient in React, TypeScript, Node.js, PostgreSQL, and AWS, with a track record of reducing costs by 40%+ and building platforms for 22,000+ users. Skilled in REST APIs, microservices, CI/CD, real-time systems, Docker, automated testing, and agile workflows.

## Work Experience

### Cha Bar Bistro & Maki Express Ramen House — Software Engineer (Freelance)

*Cincinnati, OH | June 2025 – July 2025*

- Architected and developed a comprehensive business management platform with real-time synchronization capabilities across multiple user interfaces.
- Engineered native Android application with live push notifications to streamline staff communication and order coordination.
- Built secure user authentication system with role-based access for different staff levels.
- Reduced payment processing fees from 5% to 2.9% by implementing a custom payment solution.
- Engineered inventory tracking and substitution algorithms for dynamic updates across connected interfaces.
- Delivered a mobile-first UI with authentication, history tracking, and account management.

### Nittha Siam Kitchen — Web Developer (Freelance)

*Highland Heights, KY | Feb 2024 - Mar 2024*

- Built a responsive website using HTML, CSS, and Bootstrap, delivering a clean, modern, and mobile-friendly interface.
- Designed interactive UI components that improved navigation and reduced order placement time, contributing to an estimated $1,000/day increase in pickup order value.
- Enhanced accessibility and SEO, resulting in 1,000+ monthly active users and 21,000+ pageviews.
- Restored full site functionality during a critical outage in under one hour, minimizing downtime.

### Pintoh Asian Restaurant — Web Developer (Freelance)

*Cincinnati, OH | Apr 2024 – May 2024*

- Created a custom CMS-driven WordPress platform with a mobile-first responsive design.
- Integrated modular plugin architecture for easy feature expansion and optimized site SEO for increased discoverability.

### Headstarter AI Fellowship — AI Developer

*Remote |Aug 2024 – Sep 2024*

- Developed the front-end for a domain-specific AI chatbot using OpenAI APIs and vector-based retrieval.
- Collaborated in a four-person team to provision and manage scalable AWS EC2 infrastructure for deployment.

## Education

**BSc, Northern Kentucky University** — Computer Science, Minor in Mathematics | Aug 2022 – May 2026

## Technical Skills

**Frontend Development:**
React, Next.js, JavaScript, TypeScript, HTML5, CSS3, Tailwind CSS, SASS, Bootstrap, Redux

**Backend Development:**
Node.js, Express.js, Python, Java, REST APIs, PostgreSQL, MySQL, MongoDB, JWT, Microservices

**DevOps & Infrastructure:**
Linux, Docker, Git, GitHub Actions, CI/CD, AWS, Nginx, Bash, SSH, SSL/TLS, System Administration, Load Balancing, Cloud Infrastructure, Monitoring & Logging

**Testing & Methodologies:**
Jest, Postman, Unit Testing, Integration Testing, Agile, Scrum, TDD, Version Control