

# Amni Sowrirajan

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[GitHub](#) | [Geeks for Geeks](#)

Dedicated and efficient Full Stack Developer with 2 years of experience in both front-end and back-end systems, and an additional 2 years of focused experience as a Backend Developer. Proficient in creating user-centered websites and applications that enhance user experience and drive business growth. Experienced in developing and optimizing full-stack solutions, including familiarity with RESTful API services, AWS for cloud solutions (EC2, S3, RDS), and improving database performance. Adept at troubleshooting issues, ensuring seamless integration across platforms, and leveraging AWS to optimize deployment and scalability

## PROFILE SUMMARY

- Over 4 years of experience as a Software Developer with expertise in microservices, API development, and performance optimization
- Proficient in PHP, Java, and JavaScript with experience in frameworks like Spring Boot, ReactJs
- Proficient in unit and integration testing, ensuring high-quality software delivery
- A creative and analytical problem solver with a calm and focused approach to delivering high-quality, robust solutions
- Skilled in implementing security practices, enhancing database performance, and designing scalable solutions
- Adept at collaborating with cross-functional teams, adapting to new technologies, and solving complex problems in a fast-paced environment
- AWS Certified Cloud Practitioner, with practical experience in automating deployment processes and leveraging cloud services

## CORE COMPETENCIES

- Security Practices
- MVC
- Adaptability
- Microservices
- Performance Optimization
- API Development and Integration
- Time management
- Version Control
- Software Development Life Cycle (SDLC)

## TECHNICAL SKILLS

**Programming Languages:** Java8, PHP, JavaScript ES5 & ES6, TypeScript, Node.js, Python

**Web Development:** React.js, Redux, Bootstrap, HTML5, CSS, jQuery, Ajax, REST APIs, JSON, XML, Tailwind CSS

**Databases:** PostgreSQL, MySQL, MongoDB

**Frameworks & Libraries:** Spring Boot, Doctrine, Laravel, Express.js

**Tools:** Git, Docker, Jenkins

**Testing:** Unit and Integration Testing

**Other:** Scalable APIs, Linux Server Deployment, AI (LinkedIn partnership with Microsoft certificate)

## EMPLOYMENT EXPERIENCE

### Full Stack Developer

2021 – 2023

National Informatics Centre, India

#### *Project 1: Election Project*

- Developed and maintained a voter database using core PHP and PostgreSQL, facilitating analysis of voter percentages and identification of fake votes
- Designed and generated voter slips as primary voting identifiers using HTML, CSS, and JavaScript, achieving an 80% improvement in voting process integrity through comprehensive analysis and accurate detection of fake votes
- Detected and mitigated various security threats including SQL Injection, Cross-Site Scripting (XSS), and Cross-Site Request Forgery (CSRF), ensuring a secure voting system

**Project 2: Jal Jeevan Mission for water safety**

- Improved financial oversight and accuracy by 70% through enhanced record-keeping practices, preventing potential funding misuse
- Collaborated with clients to create efficient and user-friendly website layouts
- Crafted and maintained a water safety website using React and Redux Toolkit, emphasizing real-time data updates and enhanced user interaction
- Designed and implemented scalable APIs, including dynamic graphs and charts, for an improved user experience
- Enhanced database performance by 50%, reducing query execution time and ensuring consistent data integrity

**Software Engineer**

2019 – 2021

BAssure Solutions Private Ltd, India

**Project: Mikenko**

- Developed and optimized data synchronization mechanisms for MySQL databases, achieving 85% data consistency across distributed systems using multithreading for performance enhancement
- Implemented Microservice architecture with Spring Boot, exposing REST APIs, and securing API endpoints with 90% success in authentication and authorization mechanisms
- Collaborated with front-end teams using React, enhancing user experience by 70% through seamless integration of server-side logic with REST services
- Automated deployment processes by collaborating with DevOps, reducing release errors by 60% using Docker containers and AWS services (EC2, S3, RDS)
- Participated in Agile methodologies, completing 85% of sprint goals on time and resolving 80% of production issues within 48 hours for CI/CD efficiency
- Conducted unit testing, code reviews, and defect management, achieving an 80% defect resolution rate and maintaining reliable code quality across version releases

**EDUCATION****Master of Engineering, Computer Science**

2016 – 2018

Canadian Equivalency: Master's degree – **Evaluated by WES**

SEOR, Anna University, College of Engineering, India

**Bachelor of Engineering, Computer Science**

2012 – 2016

Gojan School of Business and Technology, India

**PROFESSIONAL DEVELOPMENT****Information Technology Certificate, Enhanced Language Training**

2024

COSTI, Markham, ON

**AWS Certified Cloud Practitioner**

2024

**Soft Skills Solutions - Employability Skills Training Program**

2024

Simcoe Muskoka Workforce Development Board, Muskoka, ON

**Google Cloud Engineer Certification (In Progress):** Actively preparing for certification by completing daily tasks from Google Cloud

**Open-Source Contributions:** Contributing to GirlScript, a global initiative to improve tech education, with an upcoming mentor role