

ALEN AIJU GEORGE

SOFTWARE DEVELOPER

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alenaijugeorge.xyz (Personal Website)

CORE TECHNICAL COMPETENCIES

- Programming Languages: Java, JavaScript, SQL, HTML5/CSS3 (Primary) | PHP, Python, NoSQL (Secondary) | XML, JSON
- Web Technologies: React, Bootstrap, CSS3, HTML5 (Frontend) | Node.js, Spring Boot, Express.js (Backend)
- Development Tools: Git, GitHub | Visual Studio Code, NetBeans, Eclipse | Docker, AWS
- Software Development Methodologies: Agile Scrum | Test-Driven Development (TDD) | CI/CD Pipelines

PROFESSIONAL EXPERIENCE

- Full-Stack Developer | Samskrita Bharati, Mississauga (Sep 2024 - Dec 2024)**
 - Architected interactive web platform for language learning using React and JavaScript.
 - Implemented advanced JSON data structures for content management.
 - Developed gamified learning application with 85% user engagement rate.
 - Technologies: React, JavaScript, HTML5, CSS3, JSON.
- Java Programmer | CodSoft (Feb 2024 - Jul 2024)**
 - Engineered Java-based enterprise applications with 95% performance efficiency.
 - Implemented database integration using JDBC, JPA, Hibernate ORM.
 - Optimized application performance through advanced coding techniques.
 - Technologies: Java, Spring Framework, JDBC, JPA, Hibernate.

ACADEMIC PROJECTS & TECHNICAL ACHIEVEMENTS

- Arcade Language Learning Game**

- Developed browser-based game using vanilla JavaScript canvas rendering.
- Implemented physics engine with collision detection algorithms.
- Created dynamic scoring system with real-time state management.
- Utilized object-oriented programming principles for game architecture.
- Technologies: JavaScript ES6+, HTML5 Canvas, CSS3, Responsive Web Design.
- GitHub: <https://github.com/not0aag/FlapBird>

2. Language Learning Platform

- Engineered React-based web application with modular component architecture.
- Implemented state management using React Hooks (useState, useEffect).
- Created interactive UI with CSS animations and transitions.
- Developed custom learning algorithms with progressive difficulty scaling.
- Technologies: React.js, JavaScript, Redux (optional), HTML5, CSS3, Responsive Design.
- GitHub: <https://github.com/not0aag/VerbOrNounSans>

3. Movie Database Web Application

- Architected Spring Boot microservice with RESTful API endpoint design.
- Implemented data persistence using JPA with MySQL backend.
- Integrated OMDb external API with custom request handling and error management.
- Developed custom query methods with Spring Data JPA for efficient data retrieval.
- Technologies: Spring Boot, Java 17, Spring Data JPA, MySQL, RESTful API, Maven
- GitHub: <https://github.com/not0aag/MovieDatabasewithOMDB>

4. Personal Website

- Implemented React 18 concurrent rendering with useTransition() for non-blocking UI updates
- Utilized React.lazy() and Suspense for dynamic component loading with 80% initial load performance improvement
- Developed responsive design using CSS Grid Layout with CSS variable-based responsive units
- Implemented intersection observer API for lazy-loaded image and component rendering
- Technologies: React.js 18, Webpack 5, CSS Grid, Performance Optimization Techniques
- GitHub: <https://github.com/not0aag/PersonalPortfolio>

EDUCATION

Sheridan College, Oakville , Ontario ((May 2023 - Sep 2026))

Software Development and Network Engineering

Current GPA: 3.6/4.0

Relevant Coursework: Software Engineering, Web Development, Database Management, Network Security, Agile Project Management