

Geo George K

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SUMMARY

Product-focused Full Stack Software Engineer with 2.5+ years of experience building scalable web products using React.js, TypeScript/JavaScript, Java, Spring Boot, Node.js, SQL and AWS. Experienced in end-to-end feature delivery, high-performance APIs, responsive interfaces, distributed systems and production debugging. AI-first engineer with hands-on experience evaluating complex software solutions and open-source codebases, with a strong interest in digital board games and player-focused product experiences.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, Python, SQL

Frontend: React.js, Next.js, HTML/CSS, Responsive UI, State Management, Component-Based Development, API Integration

Backend: Spring Boot, Node.js, NestJS, Hibernate/JPA, REST APIs, JSON, Microservices

Architecture/Data: PostgreSQL, MySQL, Redis, Amazon SQS, Distributed Systems, Asynchronous Processing

Cloud/DevOps: AWS (SQS, EC2, S3, Lambda), Docker, Kubernetes, Jenkins, Maven, Git, CI/CD

Engineering: Performance Optimization, Debugging, JUnit, Code Reviews, Design Patterns, Agile/Scrum, SDLC

EXPERIENCE

Freelance Software Engineer / AI Evaluator

Apr 2026 – Present

DataAnnotation.tech

Remote

- Evaluate and validate AI-generated full-stack solutions across React.js, TypeScript/JavaScript, Java, REST APIs, distributed systems and large open-source repositories.
- Design engineering benchmarks involving architecture analysis, bug isolation, code modification and automated testing, while reviewing solutions for correctness, performance and maintainability.
- Work independently in an asynchronous environment, documenting technical decisions and reproducible evidence clearly.

Software Engineer

Oct 2023 – Mar 2026

Iolite Technologies

Bengaluru, India

- Delivered end-to-end ERP features across React.js, Java/Spring Boot, NestJS, relational databases and AWS, covering UI, APIs and production workflows.
- Optimized Hibernate/JPA and SQL-backed REST APIs, improving response time by **40%**.
- Built Amazon SQS-based asynchronous notification services, increasing throughput by **60%** and reducing failures by **45%**.
- Diagnosed production and performance issues and shipped fixes through Git, code reviews and cross-functional collaboration with QA and operations.

PROJECTS

Distributed University ERP | *Java, Spring Boot, React.js, AWS SQS, Redis*

- Built modular full-stack ERP functionality combining responsive React.js interfaces, REST services, Redis-backed components and asynchronous AWS SQS workflows for high-volume institutional operations.

RAG-Enabled ERP Assistant | *FastAPI, React.js, Redis, Qdrant*

- Developed an AI-enabled React.js and FastAPI product with role-based authorization, retrieval-augmented generation and Redis-backed retrieval optimization.

Student-Teacher Platform | *Python, Django, React.js, PostgreSQL*

- Built full-stack features for scheduling, reporting, content management and student-teacher workflows using React.js, Django, REST APIs and PostgreSQL.

EDUCATION

Albertian Institute of Science and Technology – CGPA: 7.98

2019 – 2023

B.Tech in Computer Science Engineering

Kerala, India

ADDITIONAL

Board Games: Active interest in Catan-style strategy board games, game systems, player decision-making and digital board-game UX.

Work Style: Comfortable with remote asynchronous work, written technical communication, independent execution and end-to-end ownership.