





KARPAGAMAINTHAN M

SOFTWARE DEVELOPER

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EDUCATION

2019 - 2023

SRI SHAKTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

- Bachelor of Technology in Information Technology
- GPA: 8 / 10

SKILLS

- Frontend
 - React, AngularJS, HTML/CSS, JavaScript
- Backend
 - Java, Node.js, Servlets, JSP
- Databases
 - MongoDB, MySQL, Redis

AREAS OF INTEREST

- Logical Thinking & Problem Solving
- OOPS & Java Programming
- RESTful API Design
- Servlet and JSP Web Technology
- Full Stack Development
- Cloud Architecture
- System Security

CERTIFICATION

Apr 2022 - July 2023

KICE INFOSYSTEMS

- Diploma in Java Programming (DJP) with a Grade 'A'.
- Course covered Core Java, RMI, Servlets, and JDBC

PROFILE

I'm a full-stack developer with experience building high-performance web applications. I have designed REST APIs with fast response times, optimized database queries to significantly improve speed, and reduced front-end load times. I enjoy working with technologies such as Java, Node.js, and modern frameworks to build secure and scalable systems. I take pride in solving complex problems and thrive in Agile environments where I can turn ideas into efficient, reliable solutions.

WORK EXPERIENCE

PSG Software Technologies

JUL 2023 - PRESENT

Software Engineer

- Enhanced API responsiveness: Achieved a 35% reduction in RESTful API latency by integrating Redis caching and refining NoSQL query structures.
- Optimized database operations: Improved MongoDB CRUD performance by 40% through strategic indexing and restructuring aggregation pipelines.
- Accelerated front-end load speed: Reduced front-end load time by 25% by implementing Angular lazy loading and adopting a component-based architecture.
- Delivered results in Agile environment: Contributed to the successful release of 12+ production-grade features across four sprints, achieved 100% on-time delivery for all sprint tasks.

Zoho Corporation

SEP 2022 - APR 2023

Software Developer Intern

- Developed 3 Java-based automation tools during training, reducing manual data processing time.
- Utilized object-oriented programming concepts to develop solutions for practical, real-world challenges.
- Participated in Agile development processes, contributing to system design, implementation, and testing activities.

CURRENT PROJECT

PSG Software Technologies

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- Integrated Paytm and BillDesk payment gateways, maintaining high system availability while processing a significant volume of daily transactions.
- Implemented JWT authentication and role-based access control (RBAC) to improve system security substantially.
- Optimized cloud infrastructure costs through strategic use of S3 lifecycle policies and Redis caching.
- Improved REST API response times through Redis caching and database query tuning.