

# Kavin Naresh G R

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## CAREER OBJECTIVE

Passionate and skilled developer and analyst with more than 3 years of expertise in AWS cloud services and microservices. Experienced in designing, implementing, and managing scalable applications on AWS infrastructure. Proven track record of delivering exceptional results and driving innovation. Committed to continuous learning and embracing new technologies, with high motivation and resilience.

## SKILLS

**Programming Languages:** Java, Python, TypeScript, SQL & PLSQL, Shellscript

**Technologies/Frameworks/Libraries:** Springboot, Web Services (REST & SOAP), docker & Kubernetes, IBM MQ, Linux, Angular, MongoDB, AWS

**Version Control, IDE and Iaas:** Git, IntelliJ and Terraform

**AWS Cloud Services:** EC2, RDS, Lambda, S3, Athena, Batch, CI/CD, IAM, SQS, SNS, ECS/ECR, CloudWatch and CloudTrail.

**AI:** Generative AI and GitHub Copilot

## PROFESSIONAL SUMMARY

### Infosys Limited

Bengaluru, Karnataka

*Systems Engineer*

*Nov 2021 – Present, Full-time*

- Modernized MuleSoft ETL API transformations with Gradle-based Spring Boot microservices, ensuring seamless operations and integration across modules.
- Conducted meticulous migration procedures, executed pre-deployment and performance tests, and ensured compatibility between different systems.
- Collaborated in Agile, designing and implementing RESTful APIs using Java and Spring Boot to facilitate efficient client-server communication.
- Developed robust unit tests with JUnit and integrated GitLab and SonarQube for version control and code quality maintenance, ensuring high standards throughout the development lifecycle.
- Automated job queue management using Ansible Tower and implemented ELK Stack for comprehensive monitoring solutions, including Dynatrace for real-time dashboard monitoring of pod health.
- Integrated Solr Search with the Spring Boot application to index API responses post-transformation.
- Collaborated closely with a team of developers and architects to design, implement, and deploy cloud-based solutions using AWS services.
- Utilized AWS Cognito for seamless user login integration and AWS SDK to interact with various AWS services such as S3 bucket, EC2, and Dynamo DB.
- Worked closely with QA teams to identify and resolve software defects, ensuring high-quality deliverables.
- Actively engaged in continuous learning and stayed up-to-date with the latest AWS services, Java frameworks, and software development trends.

## INTERNSHIP EXPERIENCE

### Chain-Sys India Pvt Ltd

Chennai, TamilNadu

*Oracle Fusion Consultant*

*Mar 2021 – Sep 2021, Internship*

- Worked as an Oracle Fusion Consultant, I excelled in BI, OTBI report development, Oracle E-Business Suite optimization, data analysis, and dashboard creation within Oracle Fusion instances.
- Leveraging SQL and PL/SQL, I crafted comprehensive reports, optimized EBS applications, and implemented insightful dashboards, contributing to efficient and data-driven business processes.
- Worked as OIC consultant for top-tier singapore clients.

## MOST RECENT AWARDS & ACHIEVEMENTS

### Math Expression OCR Detection

Bengaluru, Karnataka

*Python3, Angular, Anaconda Jupyter*

*Jan 2024 – Apr 2024, Infosys Techzooka (Team: 6)*

- Developed an Angular-based frontend for uploading handwritten math expressions. Integrated a deep learning model using the Tesseract library in Python for OCR and bounding box detection, trained on inkml files for Greek, Indian math symbols, alphabets, and numbers. The system generates LaTeX code to produce PDFs from detected OCR of handwritten images uploaded through the Angular frontend.

### IBM WatsonX Challenge for GSI

Bengaluru, Karnataka

*IBM - Watsonx Assistant, Watsonx.ai, and Watson Discovery*

*Nov 2023 – Dec 2023, Infosys Techzooka (Team: 6)*

- Won 1st prize in the IBM challenge by creating an intelligent banking virtual agent leveraging the Watson Discovery model for precise and efficient answers.
- My Contribution: Handled the prompt for user payments and account-related details and configured Watson Discovery in the Banking Bot.

([Linkedin: View Post](#))

## CAPSTONE PROJECTS

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### E-Commerce Application

- Project Description: It is an order management application for user to buy different product and has features like wish list, add to cart, place order and reward points.
- My Contribution: I was involved in CRUD development activities with RESTful web services. Used Technologies: Java, Spring boot and Spring Microservices

### CI/CD implementation in AWS Cloud

- Project Description: Deploying the spring boot application in EC2 instance using CI/CD technologies.
- AWS Services Used: Code commit, Code build, Code Deploy and Code Pipeline, EC2 instance, S3, RDS, IAM

## EDUCATION

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### Ramco Institute of Technology

*B.E. in Computer Science & Engineering; (CGPA of 8.0)*

Virudhunagar, TamilNadu

*March 2017 –May 2021*

## ACADEMIC PROJECTS

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### Driver Drowsiness Detection

*Python3, Angular, Anaconda Jupyter*

Virudhunagar, TamilNadu

*Nov 2020 – Feb 2021, Final year project*

- The developed app employs a CNN model for Driver Drowsiness Detection, utilizing OpenCV for face and eye tracking. The system continuously monitors the user's eye state, triggering an alarm for drowsiness. The absence of an included Angular UI implies a separate development for user control and monitoring features.

### Mess Management System

*Java, Spring Boot, MySQL and Angular*

Virudhunagar, TamilNadu

*Oct 2019 – Feb 2020, Third year project*

- Developed an in-house Mess web project using angular as FrontEnd and spring boot as a backend to create REST APIs and MySQL to store the product, user, and order details.
- Used Hibernate JPA implementation for ORM mapping and to support CRUD operation to database.
- Used Okta Oauth2 third-party libraries to handle user's registration and authentication.

## PERSONAL ASPECTS

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**Father Name :** Rengaraj G

**Total Experience :** 3 years

**Marital Status :** Single

**Personal Traits :** Interested in learning new things, Smart working, Excellent leadership skills, Willing to Travel and Flexible.

**Linguistic communication :** English, Tamil, Kannada, Telugu

## DECLARATION

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I hereby declare that the details furnished above are true and correct to the best of my knowledge.

Place: Madurai, TamilNadu

– Kavin Naresh G R