

# B G KAVAN

## SOFTWARE ENGINEER

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Resourceful **Python/Django Developer** with over a year of hands-on experience in designing and implementing web applications. Skilled in developing efficient back-end logic, integrating databases, and contributing to the full development lifecycle of projects. Eager to leverage strong problem-solving skills and a passion for technology to deliver impactful solutions expertise.

### TECHNICAL SKILLS

- **Frontend:** HTML5, CSS3, Bootstrap, JavaScript, Angular
- **Backend:** Python, Java, Spring Boot
- **Databases:** MongoDB, MySQL
- **Others:** Agile methodologies (Scrum), Jira, Git, GitHub, GitLab

### WORK EXPERIENCE

- **Excelsoft technologies, Mysore**  
Software Engineer (2024 – Present)

### PROJECTS

#### MVC & MVL Projects – Pearson MathXL LMS

Apr 2024 - Present

Tools & Technologies: Python, Django, MySQL, HTML, JavaScript

- Contributed to the modernization and maintenance of MVC and MVL simulation apps under Pearson's LMS, enhancing stability and streamlining deployment processes.
- Diagnosed and resolved critical Django backend issues including NoReverseMatch, template loading failures, and data retrieval bugs, improving system reliability.
- Refactored authentication workflows by replacing redirects with banner-based messaging, resulting in a smoother user experience across login and entitlement flows.
- Integrated MySQL stored procedures and optimized legacy SQL logic, improving backend performance and database maintainability.
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#### VAT Application – Modernization & Environment Setup

Dec 2024 - Present

Tools & Technologies: Java 21, Spring Boot, Angular 6, Eclipse, Node.js, MongoDB

- Contributed to full-stack modernization of a legacy VAT application, upgrading Java backend to Spring Boot with Java 21 and refactoring code to align with modern standards.
- Debugged and optimized backend services for compatibility with newer Java versions, improving maintainability and backend performance.
- Collaborated with cross-functional teams for end-to-end testing and documented setup, upgrade challenges, and best practices to streamline onboarding.
- Resolved complex dependency issues in the Angular front end (e.g., ng2-dnd conflicts) and aligned all project libraries to support Angular 6.

### KEY ACHIEVEMENTS

**Leadership skills:** Proven ability to lead teams, mentor junior developers.

### EDUCATION

SDM College, Ujire

July 2020 - July 2023

Bachelor of Vocational in Software and Application development.

(CGPA – 8.5)