JIMSON RATNAM KAPAVARAPU

Java Fullstack Developer

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SUMMARY

- Versatile Java Fullstack Developer with 2.6 years of experience.
- Architecting & maintaining scalable web applications with Spring Boot.
- Designing & optimizing RESTful APIs, integrating PostgreSQL & MySQL for efficient data management.
- Developing dynamic, responsive UIs with Angular & TypeScript, enhancing user experience.
- Implementing robust security mechanisms using Spring Security & JWT, ensuring secure access control.
- Containerizing applications with Docker & automating CI/CD pipelines using GitHub Actions, improving deployment efficiency
- Deploying & managing cloud-based solutions on AWS (EC2, S3, RDS, IAM) for high availability & scalability

TECH STACK

BACK END

Java, JDBC, JavaEE, Spring Boot, Spring Web, Spring Security, Spring Batch, Microservices, MySql, PostgreSQL, JWT, Elastic Search

FRONT END

HTML, CSS, ANGULAR , TypeScript

TOOLS & CLOUD

Maven, Git, PostMan , Docker , CI/CD , Github Actions, AWS (EC2 , S3 , RDS, IAM)

EXPERIENCE

2024 - Present

Java Full Stack Developer

Devzen Software Solutions

- Developed secure JWT-based authentication & verification APIs using Spring Boot & Spring Security
- Built batch processing workflows with Spring Batch for large-scale data management
- Designed REST APIs for real-time inventory tracking & alerts, optimizing stock management
- Integrated Elasticsearch for efficient search & retrieval in high-volume applications
- Developed dynamic & responsive UI components using Angular & TypeScript for product management
- Implemented secure payment gateway integration with Spring Boot & Angular for seamless transactions
- Created an interactive dashboard to visualize key insights in tournament & inventory management
- Containerized applications with Docker, ensuring consistency across development & production environments
- Designed CI/CD pipelines for automated build, test, & deployment processes
- Utilized GitHub Actions to automate workflow & improve deployment efficiency
- Deployed scalable applications on AWS (EC2, S3, RDS, IAM) for cloud-based hosting & management
- Developed and optimized RESTful APIs using Spring Boot for secure document management and user authentication, improving system security and efficiency.
- Designed and implemented a responsive UI using Angular, enhancing user experience and enabling seamless document creation, socialization, and publication

KEY ACHIEVEMENTS

Strengthened System Security
Developed a secure API that streamlined user authentication and verification processes, improving system security and reducing unauthorized access incidents by 50%

Improved User Interaction
Leveraged Angular to create a dynamic and responsive UI, enhancing document management and search functionality, leading to a 25% improvement in user satisfaction scores.

Enhanced Document Management
Implemented robust features for document creation, socialization, and publication, increasing the portal's user base by 20% within six months of launch.

Improved Tournament Efficiency
Developed an end-to-end platform that automated player registration and tournament scheduling, reducing manual administration time by 40% and improving the overall tournament management process.

Real-Time Scoring
Implemented live score updates for players and spectators, reducing score update delays by 90%, and significantly enhancing user engagement during matches.

Robust Admin Control
Developed an admin dashboard that enabled efficient tournament oversight, reducing dispute resolution times by 50% and ensuring smooth tournament operations.

PROJECTS

BillMate

Company: Devzen Software Solutions
Description: Developed an inventory management system for garages, enabling real-time tracking and restocking of spare parts using Java Spring Boot & Angular

Key Features & My Contributions:

- Developed a dynamic, responsive Angular frontend for seamless inventory management & invoicing.
- Designed & implemented REST APIs for inventory tracking & search optimization with Elasticsearch.
- Developed secure authentication & authorization using Spring Security & JWT, ensuring role-based access.
- Integrated real-time low-stock alerts, preventing shortages and optimizing inventory levels.
- Enabled seamless invoice generation & secure payment processing, enhancing efficiency for counter staff.
- Containerized the application with Docker, ensuring scalability & deployment consistency.
- Automated CI/CD pipelines using GitHub Actions, accelerating the development workflow
- Deployed the application on AWS (EC2) for high availability & reliability.

BadmintonHub

Company: Devzen Software Solutions
Description: Designed a tournament management system to automate player registrations, payments, & live score tracking using Spring Boot & Angular.

Key Features & My Contributions:

- Developed backend services with Spring Boot, ensuring real-time updates for matches & fixtures.
- Implemented secure role-based access control (RBAC) using Spring Security & JWT for Players, Organizers, & Admins.
- Designed & optimized MySQL schema, ensuring efficient data retrieval for fixtures & live scores.
- Integrated payment processing for seamless tournament registrations & secure transactions.
- Enabled live score updates via REST APIs, ensuring real-time event tracking.
- Deployed the application on AWS (EC2) for scalability & high availability.

DOGMA

Company: Devzen Software Solutions
Description: Policy Portal is a one-stop solution to access policy, standard and other documents. Through DOGMA there is a flexibility to create, socialize, publish documents

Key Features & My Contributions:

- Developed a leveraging API to authenticate and verify the information of users, enhancing system security and user experience.
- Attended business meetings and provided technical view on proposed functionalities.
- Took active part in architecture design and data migration from on-premises cloud to AWS.
- Utilized Angular to build a responsive and dynamic user interface for seamless document interaction.
- Utilized Java to implement essential business logic and document processing functionalities. Leveraged Spring Boot to develop RESTful services, enabling efficient document management and seamless communication between components.
- Employed MySQL for database management, ensuring reliable document storage and optimizing data retrieval to support system functionality.

EDUCATION

2019 - 2022 Master of Computer Applications
Adikavi Nannaya University

2016 - 2019 Bachelor of Science
Adikavi Nannaya University