Vinay Kumar Vainala

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Summary

A dedicated software developer with expertise in **Java, Spring Boot, React**, full-stack Java development, and a wide range of technical skills. Successfully completed various projects, leveraging comprehensive skills across the Java stack, and committed to continuous learning and staying abreast of industry trends to deliver **innovative and efficient software solutions.**

Technical Skills

Programming Languages: Java, Python.

Frameworks & Libraries: React Js, Spring Boot, Node Js, Express Js, Bootstrap, Basic idea on Redux State management, Microservices.

Databases: SQL, MySQL, H2 db, Mongo db, Hibernate

APIs & Tools: Git, GitHub, Postman, Swagger, REST webservices

Development Environments: Visual Studio Code, Eclipse / Spring Tool Suite.

Cloud & Platforms: AWS Amplify, AWS Elastic Beanstalk, AWS EC2, CodePipeline, Azure

Projects

Banking Application (October 2024 - January 2025)
- **Key Features:**
  * User authentication and secure login/registration using **Spring Security** and **JWT**.
  * **Role-Based Access Control (RBAC)** with distinct roles: **Admin** and **User**.
  * **Account Management**: View account details, update personal information.
  * **Fund Transfers**: Transfer funds between accounts, schedule future transfers.
  * **Transaction History**: View past transactions with detailed information.
  * **Notifications**: Alerts for login attempts and profile updates.
- **Technologies Used:**
  * **Frontend:** React
  * **Backend:** Spring Boot, Java, J2EE
  * **Database:** H2 Database
  * **Security:** Spring Security, JWT
  * **Version Control:** Git
- **GitHub Repositories:**
  * **Frontend:** https://github.com/vainalavinay/banking-fe
  * **Backend:** https://github.com/vainalavinay/banking

Employee Embark (May 2024 - Sep 2024)
- Frontend: Utilized **React** to develop a dynamic, responsive UI. Backend: Developed using **Spring Boot** for business logic and data processing. Integrated CI/CD pipelines using **CodePipeline, CodeBuild**, and **CodeDeploy**.
- Deployed backend on **AWS Elastic Beanstalk (EBS)** and frontend on **AWS Amplify**.

User Management (Sep 2023 - Oct 2023)
- Frontend: Leveraged **Angular** for a robust user management system, sharing backend with **Spring Boot** for consistency. Developed CRUD operations for user management with a user-friendly interface.

E-Passport System (May 2023 - Jun 2023)

- Frontend: Implemented **JSP** focused on backend technology. Backend: Developed using **Spring Boot** with **Oracle** as the database. Developed a user-friendly application with admin role features for managing users and passport appointments.

MERN E-Commerce Website (May 2022 - Jul 2022)
- Developed a Capstone project featuring Admin and User roles with CRUD operations, search functionality, and automated email notifications for low stock. Documented API using **Swagger API** and validated endpoints using **Postman**.

Work Experience

Project Engineer, Wipro Limited   **Mar 2023 - Present**

Chennai, Hyderabad, India
- Successfully led and developed key features for multiple high-impact projects, including the full-stack development of the **MERN Stack E-Commerce System**, where I demonstrated end-to-end solutioning, involving frontend (React) and backend (Spring Boot) development.
- Mentored a group of 5 junior associates during the capstone project **E-Passport System**, enhancing project delivery quality by 20% through strategic guidance and code reviews.
- Utilized **AWS Cloud Services** (Elastic Beanstalk, EC2) for application deployment, optimizing performance and streamlining development processes.
- Contributed to multiple POC projects tagged for associate training, leveraging hands-on experience to refine **Java, Spring Boot, and React** skills in a real-world simulated environment. These projects helped develop strong debugging, troubleshooting, and feature implementation capabilities.
- Achieved an overall performance score of 90% in the internal Remote Velocity Training project, showcasing leadership and technical excellence under tight deadlines.
- Completed professional certifications in **AWS Cloud Practitioner**, **Azure Fundamentals**, and **Spring Boot**, demonstrating a commitment to staying ahead in emerging technologies.

Trainee, Wipro Limited   **Jun 2022 - Aug 2023**

Remote Training
- Led cross-functional teams in developing **Employee Embark** and **User Management** systems using **React, Angular, Spring Boot**, and integrated CI/CD pipelines using **AWS CodePipeline, CodeBuild**, and **CodeDeploy**, improving team collaboration and project delivery speed by 30%.
- Developed robust, scalable backend services with **Spring Boot**, enhancing system efficiency and data security for multiple POC and real-time projects.
- Gained expertise in project management and team leadership, coordinating with senior developers and ensuring seamless execution of various technical and business requirements.

Education

Bachelor of Technology in Electronics and Communication Engineering   **Aug 2019 – Jun 2022**

CMR College of Engineering and Technology   *Hyderabad, India*
- **Graduated with 78%**, actively participating in group projects and software development activities.
- Enthusiastic in learning **software development courses** and **logic building**.

Diploma in Electronics and Communication Engineering   **Aug 2016 – May 2019**

VNR Vignana Jyothi Institute of Engineering and Technology   *Hyderabad, India*
- **Achieved 87%**, showcasing strong academic performance and dedication to studies.

Certifications & Achievements

AWS Cloud Practitioner - Credential ID: G9ZGBQ2CW2R4QEKW

Microsoft Certified: Azure Fundamentals - Credential ID: AD776CE28381CE15

Core Java-L1 - Wipro WiSkillz - Assessment ID: TCA B-CCX-0010

MERN Full Stack Certified at Great Learning

Ranked 339 in TS ECET 2019 and 2326 in POLYCET 2016.

Solved over 200 problems on coding platforms.