

DAVID SAAKA

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BACKEND JAVA DEVELOPER

Solution-oriented Full Stack Software Developer with over 6 years of experience designing, developing, and optimizing enterprise applications across telecom and fin-tech. Proficient in Java, Spring Boot, Hibernate, React, and Node.js, with hands-on expertise in cloud platforms like Huawei Cloud and AWS. Experienced in implementing CI/CD pipelines and integrating DevOps methodologies to enhance software delivery. Passionate about mentoring teams and driving strategic technological advancements in fast-paced Agile environments.

- Microservices Architecture • Cloud Computing • DevOps (CI/CD) • System Optimization • Database Management
- API Development • Performance Tuning • Domain-Driven Design (DDD) • Scalable Software Architecture

Languages: Java, JavaScript

Web: HTML, CSS, React

Web Services: REST, SOAP, XML, JSON

Web/App Servers: Apache, Tomcat, Node.js

Frameworks: Spring, Spring Boot, React

Databases: MySQL, Postgres and MongoDB, SQL Server

Design Patterns: Singleton Pattern, Factory Pattern, Repository Pattern, Dependency Injection, MVC (Model-View-Controller)

SDLC: Agile Development, Waterfall Model, Scrum

Tools: Git, GitHub, Huawei Cloud DevKit, MySQL Workbench, SQL Server Management Studio (SSMS), Jira, Slack, Docker, Jenkins

Platforms: Windows, Linux, Huawei ISDP (Integrated Service Delivery Platform)

Application/Software: Huawei Technologies Platforms, Huawei Netcare Client System

PROFESSIONAL EXPERIENCE

CAREER NOTE: Completed on-campus studies and currently taking distance education courses to complete a **Master's Degree in Computer Science** (Available for full-time, W-2 employment).

HUAWEI TECHNOLOGIES UGANDA LIMITED, Kampala, Uganda • 07/2015 – 06/2024

Huawei Technologies is a global leader in ICT solutions, providing telecom infrastructure, cloud computing, AI solutions, and enterprise digital transformation services.

Senior Software Developer (08/2021 – 06/2024)

Lead full-stack development and maintenance of Huawei's Integrated Service Delivery Platform (ISDP) and other enterprise tools, ensuring scalability, security, and operational efficiency.

- Spearheaded data migration from legacy systems to Huawei Cloud & GaussDB, ensuring seamless transitions, boosting database performance, and enhancing scalability for large-scale enterprise applications.
- Strengthened system security and compliance by conducting periodic audits, implementing best practices in Spring Security, and reducing vulnerabilities across all applications.
- Developed and optimized ISDP Smart QC using Java, Spring Boot, and MySQL, automating telecom site quality inspections and reducing repeated visits by 30%.
- Integrated AI-driven automation into ISDP using Huawei Cloud DevKit and Node.js, streamlining telecom site deployment and improving efficiency by 35%.
- Enhanced DevOps pipeline with Jenkins and Cucumber for CI/CD automation, reducing deployment errors and increasing software release speed by 40%.
- Led a team in upgrading the Netcare Client System with React and Spring Boot, optimizing workflows and reducing issue resolution time by 30%, improving customer support response times.

Software Developer (07/2015 – 07/2021)

- Integrated AI-powered automation into ISDP, leveraging Node.js and Huawei Cloud DevKit, improving network deployment efficiency by predicting and resolving configuration issues proactively.
- Implemented CI/CD pipelines using Jenkins, streamlining deployment processes and accelerating software releases by 40%, ensuring faster updates with minimal downtime.

- Optimized Huawei iBuy & iSales platforms using Angular, Spring Boot, and MySQL, enhancing procurement and sales operations by improving order processing speed and data accuracy.
- Designed and deployed a microservices architecture with Spring Boot, improving system modularity, scalability, and maintainability across enterprise applications.
- Enhanced and optimized Huawei ISDP using Java, Spring Boot, and MySQL, automating project management for 5000+ telecom sites, reducing manual effort, and improving operational efficiency.
- Developed and optimized Netcare Client authentication using Spring Security and OAuth, improving system security and reducing unauthorized access incidents by 50%.

Technologies Used: Java, Spring Boot, React, Angular, JavaScript, Node.js, MySQL, GaussDB, Jenkins, Huawei Cloud DevKit.

ACADEMIC PROJECTS

Maharishi International University (2024)

- **Prescription Management System:** The desktop application manages pharmacy operations, including prescription tracking, medication management, and user authentication for customers, physicians, and pharmacists. It features a streamlined user interface for efficiently handling prescription-related activities. Sequence diagrams were designed, and CRUD operations were implemented for prescriptions and user records. Integration of all modules was achieved using JavaFX for the graphical interface, StarUML for diagramming, and Git/GitHub for version control. Eclipse was utilized as the IDE for efficient development and project management while ensuring compliance with pharmaceutical best practices. Utilized Java, Html, CSS, Thymeleaf.
 - **Real Estate Rental System:** The web-based application streamlines property rental operations, including listing management, tenant booking, digital lease agreements, and role-based user authentication for property owners, tenants, and administrators. It features an intuitive user interface to manage rental processes efficiently. Sequence diagrams were designed, and full CRUD operations were implemented for property listings, bookings, and user roles. The project integrates all modules using Spring Boot for backend services and React for frontend. UML diagrams were created using Star-UML, with Git/GitHub for version control. Eclipse was used as the primary IDE to ensure structured development and adherence to real estate business rules. Technologies used include Java, HTML, CSS, and Thymeleaf for dynamic web content.
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PERSONAL PROJECTS

Project Management System (2024): A web-based platform designed to facilitate efficient project planning, execution, monitoring, and collaboration among stakeholders. It aims to enhance productivity by providing structured tools for task management, resource allocation, timeline tracking, reporting, and communication. Utilized JavaScript, Java, React, Spring boot.

EDUCATION

Master of Science in Computer Science

(In progress via distance education; expected completion 04/2027)

Maharishi International University, Fairfield, Iowa

Key Courses: Software Engineering, Database, Enterprise Architecture, Algorithm

Bachelor of Science in Computer Science

Pune University, Pune, India (08/2007)