MAVHUNGU LEBOGANG SHEARAFT

Full-Stack Developer | Software Engineer | BSc IT Student

Contact

064 848 1794, Email: shearlerbow@gmail.com, LinkedIn: www.linkedin.com/in/lebogangshearaft, gitHub: https://github.com/lebogangshearaft,
09 Auriga Rd, Bedworthpark, Vereenings, 1939, portfolio: https://lebogangshearaft.github.io/

SUMMARY

Final-year BSc Information Technology student with a strong academic record and distinctions in key analytical and business modules. Proven ability to design and deliver **data-driven, customer-focused software solutions** that address real-world problems. Skilled in **full-stack development, data analytics, API integration, and systems optimisation**, with hands-on experience in **financial and decision-support systems**. Demonstrated capability to **solve complex problems, innovate processes, and adapt quickly** to emerging technologies. Passionate about applying **analytical, programming, and problem-solving skills** to deliver innovative solutions in **banking, credit analytics, and customer experience.**

EDUCATION

Bachelor of sciences in Information Technology   Jan 2022 - present

North-West university

- Specialization in computer science, Software Development, Systems Analysis and Design, Network Management, Database Management, Web Development, Data Analytics, Information Security, Decision Support Systems, Artificial Intelligence, IT Development, operating Systems

Front -End Engineering , Back-End Engineering ,full-stack Engineering career path   Feb 2025 - present

codecademy company

- Specialization in software Engineering (Front-End, Back-End, Full-Stack)

TECHNICAL SKILLS

Programming Languages

- HTML5, CSS3, JavaScript (ES6+), Python, Java (including J2EE), C#, C++, SQL

Frameworks and Libraries

- Front-End: React.js, Bootstrap, jQuery
- Back-End: Node.js, Express.js
- Familiarity with Flask and Django through coursework and online training

Databases

- MySQL, PostgreSQL, MongoDB
- Data Modeling Principles, SQL Queries, Database Normalization, Relational Storage Systems

API Development and Integration

- RESTful APIs, JSON, API Integration
- Tools: Postman, Swagger

Software Development Concepts

- Object-Oriented Programming (OOP)
- MVC Architecture, DOM Manipulation
- Debugging, Code Refactoring, Secure Coding Practices

Version Control and Collaboration

- Git, GitHub
- Experience with branching, merging, pull requests, and issue tracking

DevOps and Deployment

- CI/CD Fundamentals, GitHub Pages, Netlify
- Performance Optimization, Deployment Workflows
- CI/CD pipelines (GitHub Actions), Docker (basic knowledge), Deployment via Netlify/GitHub Pages

UI/UX and Design Tools

- Responsive Web Design, UI/UX Principles
- Tools: Figma, Chrome DevTools, Visual Studio
- Platforms & Environments: Windows, UNIX/Linux

Project Management and Methodologies

- Agile, Scrum, Kanban
- Familiar with DevOps workflows and team collaboration practices
- Sprint planning, daily stand-ups, and retrospectives in agile teams.

SOFT SKILLS

- Communication – Clear expression of ideas and effective team collaboration.
- Problem-Solving – Strong analytical thinking and debugging ability.
- Adaptability – Quick to learn new tools and adjust to changing tech trends.
- Teamwork – Cooperative and supportive in group projects and agile environments.
- Time Management – Able to prioritize tasks and meet tight deadlines efficiently.

KEY INTEREST IN DEVELOPMENT

- Full-stack application development and system integration, Scalable and data-driven web solutions, RESTful API architecture and cloud-based services, Agile software development and team collaboration, UI/UX design principles and use-centered design, Exploring DevOps practices and CI/CD pipelines, Continuous learning through online certifications and open-source contributions, Web performance optimization and secure coding standards, Containerization and cloud deployment (Docker, Kubernetes – future learning goal),Spring Boot and Flask backend development, Full-stack application design with Java and Python

SOFTWARE DEVELOPMENT EXPERIENCE

Full Stack Developer (Project-Based & Coursework Experience)   Jan 2024 – july 2025

Remote / Vereeniging, South Africa

- Smart Budgeting API – Python, Django REST Framework, PostgreSQL, Docker, Celery
- Developed a budgeting API with wallet management, categorized transactions, receipt uploads, monthly budgets, and financial forecasting. Automated reminders using Celery and deployed the system using Docker and Railway. Documented endpoints with Swagger.
- Salon Booking System – Java, Spring Boot, Spring Security, MySQL, JWT, Docker
- Built a REST API for salon services with role-based access (Admin, Staff, Client), appointment scheduling, availability tracking, ratings/reviews, and secure authentication. Deployed using Docker; documented all endpoints using Swagger.
- Job Application Tracker API – Node.js, Express.js, MongoDB, JWT, Swagger
- Designed and implemented a job tracking system supporting CRUD operations, resume uploads, category/tag filters, reminders, analytics (conversion rate, top companies), and admin access. Deployed to Vercel with full API documentation.
- Clinical Decision Support System – C#, ASP.NET Core, SQL Server
- Engineered backend APIs for medical decision-making tools, including secure authentication, data validation, modular logic layers, and reliable RESTful endpoints for clinical workflows.
- Lerbow's Hair & Beauty Booking App – React.js, JavaScript, CSS3
- Developed a front-end scheduling app with dynamic service logic, multi-step form validation, simulated authentication (localStorage/sessionStorage), and responsive design.
- Appointment Planner App – React.js, HTML5, CSS3
- Created a calendar-based planner using reusable React components and modular architecture. Integrated persistent local storage for saving user data and appointment history.
- Mini-Projects – JavaScript, DOM APIs
- Developed small-scale applications (To-Do App, Rock-Paper-Scissors Game, PIN Validator) to demonstrate real-time UI feedback, conditional logic, and DOM manipulation.
- Followed Agile methodologies including sprint planning, daily standups, and retrospectives to manage tasks and ensure delivery of milestones.
- Applied SOLID principles, MVC architecture, and clean code practices to ensure code scalability, maintainability, and readability.
- Utilized Git and GitHub for version control, pull request workflows, and collaborative development.
- Ensured cross-browser compatibility, responsive web design, and adherence to accessibility standards across all front-end projects.
- Practiced unit testing using tools like Jest to validate component logic and improve code reliability

CERTIFICATIONS

Full-Stack Engineer Professional Certificate – Codecademy | Career Path: Software Development | Completion Date:14 August 2025

- Topics: HTML5, CSS3, JavaScript, React, Node.js, Express, SQL, APIs, Agile Development, Testing, Deployment, and Performance Optimization
- Certificate ID: CFC7E870-A

Back-End Engineer Professional Certificate – Codecademy | Career Path: Software Development | Completion Date:14 August 2025

- Topics: Java, Python, C#, SQL, RESTful APIs, Server-Side Programming, Database Management, Authentication & Authorization, Docker, Git, Testing & Debugging
- Certificate ID: 353026ED-B

Full-Stack Development Certificate of Completion – FNB | Course: Software Development | Completion Date: 12 July 2025

- Topics: App Strategies, GitHub and Collaboration, Build an App with HTML (The SDLC), Principles of UX Design, Basic Layouts, Transitions, Design Thinking, APIs, Data Input and Processing, User-Centric App Development, Data Management and Analysis, Business Development Intro, Backend Development (Build an API), Funding & Marketing Your App Business
- Certificate ID: A0TYAA072025

Front-End Engineer Professional Certificate – Codecademy | Career Path: Software Development | Completion Date: 24 May 2025

- Topics: HTML5, CSS3, JavaScript, Git, GitHub, Responsive Web Design, React, Redux, Build Tools, Data Structures, and Algorithms
- Certificate ID: C0DE8BC7-7

ADDITIONALS

LANGUAGES: English, Tshivenda, Xitsonga, Sepedi,IsiZulu, Xhosa

REFERENCES:

- Tshadama / Teacher:Mr.Magondo, 0827455684, Magondoitani@gmail.com
- NWU / Lecturer:Mr. Sejaphala L.C, 0833011353, Chris.sijaphala@nwu.ac.za