

# CEDRIC BIENVENUE

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## SUMMARY

I'm a junior software engineer with a good foundation in client-side scripting. I'm currently diving deeper into server-side programming and backend technologies, focusing on building robust, scalable, and efficient systems. I enjoy turning ideas into functional solutions and I'm eager to grow my expertise in comprehensive development skills to solve real-world problems through technology.

## EDUCATIONAL BACKGROUND

**African Leadership University** – Kigali, Rwanda

**September 2024 – March 2028**

BSc (Hons) Software Engineering

Relevant Coursework: *Object-Oriented Programming • Data Structures & Algorithms • Web & Mobile App Development • Leadership & Team Dynamics • Software Engineering Principles • DevOps • Databases • Agile Methodologies • Cloud Computing • Software Testing Life Cycle (STLC) • Entrepreneurship & Innovation*

## SKILLS

- **DevOps** — Docker (Containerization), Kubernetes (Minikube), GitHub Actions (CI/CD), Linux & Shell Scripting (Automation), AWS Fundamentals, Networking & Security Basics, Terraform (Infrastructure as Code), and Prometheus (Monitoring & Metrics Collection)
- **Backend** — Express.js, RESTful APIs, JWT (Authentication), Middleware, Error Handling, Input Validation, CORS Configuration, Redis (Caching), Nginx (Reverse Proxy) & Swagger (API Documentation)
- **Databases & ORMs / ODMs** — MongoDB (Mongoose), MySQL (Prisma, Sequelize) & PostgreSQL (Prisma, Sequelize)
- **Testing & Debugging** — Jest, PyTest, Postman, Playwright, Unit Testing, E2E Testing, Integration Testing & Test-Driven Development (TDD)
- **Programming & Runtimes** — JavaScript (ES6+), TypeScript, Python & Node.js
- **Version Control** — Git & GitHub
- **Frontend** — React.js, Tailwind CSS, CSS3 & HTML5

## PROFESSIONAL WORK EXPERIENCE

**Backend Developer**

**July 2025 - Present**

**Solvit Africa** – Kigali, Rwanda

Participating in the Code2Connect Fellowship, a hands-on, in-person program by Solvit Africa aimed at equipping youth with employable tech skills. Specializing in backend development using Node.js, working on practical projects that involve building real-world, scalable server-side solutions.

- Gaining expertise in RESTful API creation, authentication and authorization (JWT), data validation, and secure endpoint development.
- Developing strong skills in database interaction with PostgreSQL and MongoDB, including schema design, query optimization, and CRUD operations.
- Expanding knowledge in system integration within the JavaScript ecosystem, connecting backend services with third-party APIs, and implementing middleware for performance and security.
- Advancing skills in collaborative development, using Git for version control, managing feature branches, resolving merge conflicts, and applying agile principles in a team environment.
- Applying best practices in backend architecture, including modular code structure, error handling, logging, caching, and deployment workflows using CI/CD pipelines..

**Frontend Developer**

**March 2024 - October 2024**

**ALX Rwanda** – Kigali, Rwanda

Honing my skills and gaining hands-on experience in an accelerator front-end development program. Creating visually appealing and user-friendly solutions. Working on real-world projects, collaborate with experienced developers, and continuously learn and grow in the ever-evolving field of web development.

- Developed responsive, cross-browser-compatible user interfaces using HTML, CSS, and JavaScript
- Implemented interactive features and API integrations with JavaScript libraries and frameworks like React.js.
- Collaborated with designers and back-end developers to deliver high-quality, user-friendly web applications.

- Used Git for version control, managing code repositories & resolving conflicts in a team environment.
- Optimized web performance and applied SEO best practices to enhance site speed and search visibility.

### Insurance Underwriter

August 2023 - January 2024

#### Radiant Insurance Company – South, Rwanda

- Assessed risks and evaluated insurance applications to determine coverage and pricing.
- Collaborated with agents and clients to clarify details and explain underwriting decisions.
- Ensured compliance with industry regulations and company guidelines.
- Provided exceptional customer service and resolved client inquiries.

### CERTIFICATIONS

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- LFS250:Kubernetes and Cloud Native Essentials
- API Design in Node.js
- JavaScript Algorithms and Data Structures
- JS Design Patterns for Web Apps

### EXTRACURRICULAR ACTIVITIES

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#### Collaborator, Brainiacs

September 2024 - August 2025

A student-led tech group where we explore real-world problems, collaborate on diverse tech projects, and stay updated on the latest in software development and DevOps. We also support and uplift fellow members especially those new to programming by helping them overcome learning gaps and technical challenges. It's been a meaningful way to grow both technically and as a supportive peer in a community of aspiring engineers.

### INTERESTS

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- Open Source Contribution
- Cloud-Native Technologies
- Scalable & Distributed Systems
- Spiritual Growth & Purpose-Driven Living

### LANGUAGES

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- Kinyarwanda – Native
- English (C1)