

Biruk Dejene

Software Engineer

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Professional Summary

Software Engineer with expertise in full-stack development, cloud computing, distributed systems, and high-performance applications. Experienced in designing secure, scalable, maintainable systems, building web apps, and leading project delivery. Passionate about innovation, solving complex technical challenges, and delivering impactful software globally and locally.

Technical Skills

- **Programming:** Python, C#, JavaScript(ES6+), TypeScript, SQL, C++, Java, Php
- **Frontend:** React, Next.js, Blazor, Tailwind, HTML5, CSS3, Responsive UI, Figma
- **Backend:** Django, ASP.NET Core, RESTful API, GraphQL, Microservices, Serverless
- **Databases:** PostgreSQL, MySQL, MongoDB, Redis, Query Optimization, Indexing
- **Cloud & DevOps:** AWS, Azure (App Services, Functions), Docker, Kubernetes, CI/CD
- **Software Engineering:** OOP, System Design, Design Patterns, Unit/Integration Testing, Performance Optimization, Scalability, Reliability
- **Tools & Methodologies:** Git, GitHub, VS Code, Visual Studio, Linux, Jira, Agile/Scrum

Technical Projects

Movie Store API — .NET Core, C#, SQL Server Role: API Developer

- Developed a RESTful API for managing digital movie data, purchases, and user authentication.
- Implemented CRUD operations, middleware, and error handling using ASP.NET Core best practices.
- Focused on scalability, clean code structure, and efficient data processing.

Addis Systems Integration Website — React, Tailwind CSS, Django, PostgreSQL

Role: Frontend Developer (Internship Project)

- Designed and developed a modern company website during internship at ASI.
- Focused on responsive UI/UX development using React and Tailwind CSS.
- Collaborated with backend developers to integrate APIs Data for dynamic content.

Student Management System — Django, HTML, CSS, JavaScript, MySQL

Role: Full-Stack Developer

- Built a school management system with features for student registration, attendance, and academic result management.
- Created a clean and responsive website to improve communication between the school and students.
- Implemented authentication and secure data access for different user roles (admin, teacher, student).

Adila Hotel Full Website — Django, HTML, CSS, JavaScript, MySQL, Figma

Role: Full-Stack Developer

- Designed and developed a complete hotel website for Adila Hotel with booking, gallery, and contact management features.
- Created an intuitive UI using Figma and implemented both client-side and server-side functionality.
- Integrated MySQL database for managing hotel services, rooms, and customer feedback.

Vital Event Registration System — PHP, HTML, CSS, JavaScript, MySQL, Figma

Role: Group Leader & Full-Stack Developer

- Developed a complete digital registration system for Hawassa City Vital Event Registration Agency as a final year project.
- Designed and implemented end-to-end features including citizen registration, data validation, and secure record storage.
- Created responsive front-end interfaces and database models to improve data accuracy and reduce manual workload.
- Collaborated with team members, advisors, and government representatives to gather requirements and deliver the final system.

Education

Bachelor of Science (B.Sc.) in Computer Science — Hawassa University, Ethiopia

Graduated: July 4, 2024

CGPA: 3.51/4.00

- Gained a strong foundation in computer science principles, algorithms, software engineering, and emerging technologies.
- Developed hands-on experience in full-stack web development, AI, database systems, and network design.
- Acquired practical skills in problem-solving, teamwork, system analysis, and communication through collaboration with project members, advisors, and external organizations.
- **Relevant Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Database Systems, Artificial Intelligence, Machine Learning, Software Engineering, Distributed Systems, Computer Networks, Cybersecurity, Operating Systems, Internet of Things (IoT), and Web Development.

Professional Experience

Full Stack Developer — Addis Systems Integration

September 2025 – Present

- Design and develop responsive and scalable full-stack web applications using React, Django, and PostgreSQL.
- Implement modern frontend interfaces with Tailwind CSS and backend REST APIs to ensure high performance and security.
- Focus on user-centered design, code quality, and maintainability while continuously learning new frameworks and technologies.
- Collaborate remotely with small teams on web projects, providing technical guidance and UI/UX improvements.

Frontend Developer Intern — Addis Systems Integration

June 2025–August 2025

- Developed and maintained responsive company websites using React, Tailwind CSS, and Django REST API.

- Integrated PostgreSQL-backed APIs for dynamic data rendering and optimized frontend performance.
- Collaborated with backend developers and designers to deliver high-quality, production-ready web solutions.
- Improved component reusability and UI consistency across multiple company web projects.

Independent Developer & Learner — Self-Initiated Projects June 2024 – June 2025

- Focused on deepening full-stack development skills through real-world personal projects.
- Built several production-level web applications such as hotel, school, and business websites using Django, React, and MySQL.
- Enhanced understanding of software architecture, database design, and REST API development.
- Designed user interfaces in Figma and implemented frontend logic using JavaScript and TypeScript.

Network Design Apprentice — Hawassa University Agricultural Campus February 2023 – June 2023

- Completed a 5-month apprenticeship in network design, configuration, and maintenance.
- Gained hands-on experience with Cisco Packet Tracer for network simulation and troubleshooting.
- Designed secure and efficient network topologies, focusing on connectivity, reliability, and fault tolerance.
- Learned practical teamwork, documentation, and communication skills while collaborating with network engineers.

Certifications & Courses

- Full Stack Web Development — freeCodeCamp
- Oracle Cloud Infrastructure (OCI) Architect Associate — Oracle
- Oracle Cloud Infrastructure (OCI) Foundations Associate — Oracle
- C# Programming and .NET Framework — freeCodeCamp
- Django REST Framework Advanced Course — Udemy
- Complete React Developer Course — freeCodeCamp

Additional Information

- Portfolio: birukdjn.onrender.com and GitHub repository: [Birukdjn](https://github.com/Birukdjn)
- LinkedIn: [birukdjn](#) for certifications, recommendations, and references
- Languages: English (Fluent), Amharic (Native)
- Experienced in building secure, scalable, distributed, and high-performance applications for web Applications
- Strong analytical, problem-solving, system design, and leadership skills