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| **SUMMARY:** | | | | | |
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| * Over 6 years of experience in commercial application development. Eager to join a team who builds innovative and cutting-edge business solutions for clients. * Engineered modern applications with Java, C++, HTML, CSS, JavaScript, SQL Servers. * Experience in building innovative microservices and Web Services (including. SOA with /SOAP/REST). * Participated in teams and projects that implement all the phases of SDLC including web-application, desktop applications. * Coordinated with project managers to identify minimum viable product requirements and clearly defined feature sets into well-scoped user stories for individual team members. * Experienced in database programming ranging from basic SQL queries to advance OODB queries as needed by a project * Experience in different architectural styles including microservice, multi-tiered, MVC, service oriented and even simple client-server projects * Experience in contributing for an open-source projects like Jenkins by developing a plugin. | | | | | |
| **TECHNICAL SKILLS:** | | | | | |
| **Operating System** | | Windows (7,8,10,11) and Linux with multiple distributions (Oracle, Debian, Redhat, Ubuntu, Kali) | | | |
| **Primary Skills** | | Java (Spring, Spring JPA, Jaxb, redis, apache camel, apache kafka, lombok, reactive, maven, Junit, Slf4j,log4j, logback, HyperJAXB, RestAssured, apache commons, spring-security, java-jwt), Web development tools (html, css, php, JavaScript), C++, Flutter, database administration, MVC frameworks, Agile methodology | | | |
| **Frameworks** | | Spring MVC, Ruby on Rails, CakePHP, Symfony | | | |
| **Database** | | MySQL, Oracle, PostgreSQL with SQL and OODB | | | |
| **Servers and Deployment** | | Apache web server, Kubernetes, Docker, Harbor, Helm, Jenkins, SonarQube, Argo CD | | | |
| **Tools and IDEs** | | Redmine, Jira, GIT, Eclipse, Sublime, Visual Studio, Android Studio, PyCharm | | | |
| **Management skills** | | Critical Thinking, Problem Solving, Time Management, Effective Communication  Teamwork, Training, Project management, Fast learning | | | |
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| **EDUCATION:** | | | | | |
| * Bachelor of Science in Computer Engineering, Addis Ababa University July 2015 * Master of Science in Computer Science (Software engineering focus) July 2019 | | | | | |
| **Certificate:** | | | | | |
| * Online certificate from university of California on secure coding principles | | | | | |
| **WORK EXPERIENCE:** | | | | | |
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| **Client:** | Safaricom Ethiopia | | May 2022 Till date | | |
| **Project:** | MPESA - digital financial solution | |  |  | |
| **Description:** | M-PESA is a mobile phone-based money transfer service, payments, and micro-financing service, launched in 2007 by Vodafone and Safaricom, the largest mobile network operator in Kenya. It is now expanded to Ethiopia and other countries. | | | | |
| **Role:** | Integration Engineer | | | | |
| **Responsibilities:** | | | | | |
| * Developed a service to buy airtime via MPESA (Mobile money platform) - The ability to purchase Safaricom airtime and internet bundle products via MPESA. * Developed a service to reverse money that was sent mistakenly to people through MPESA by designing a smart algorithm that could validate and sort out customers who sent money mistakenly to unknown users therefore reducing traffic to support center and efficiently sorting out customer issues. * Developed a service to self-activate GSM subscription to MPESA subscriptions without entering their personal details and documents again. * Developed a service that awards incentive for newly registered customers * Developed a service to seamlessly create a personal micro-store and till for customer that is already registered on MPESA * Developed an algorithm that could encrypt and decrypt any message between services using both RSA and AES algorithms. | | | | | |
| **Environment:** | Java (Spring, Spring JPA, Jaxb, redis, apache camel, apache kafka, lombok, reactive, maven, Junit, Slf4j,log4j, logback, HyperJAXB, RestAssured, apache commons, spring-security, java-jwt), MySQL, PostgreSQL | | | | |
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| **Client:** | IE network solutions | | Dec 2021 Feb 2022 | | |
| **Project:** | Localized ERP Solution | |  |  | |
| **Description:** | Development of custom ERP solution called Productivity Enhancement Platform (PEP), which was targeted for local small-scale firms. The project is based on a micro-service architectural style. Where, all except one of the services were developed with ReactJS as frontend and Laravel PHP framework as a backend. Identity and Access management service was developed using spring boot and it was integrated with local email server with SSO | | | | |
| **Role:** | SAAS team lead | | | | |
| **Responsibilities:** | | | | | |
| * Design the whole architectural skeleton of the ERP project. * Lead a team of nine (9) software engineers. * Make decisions on tasks whenever needed. * Developed an Identity and access management service. * Set-up whole formal SDLC trends across the SAAS team from scratch, which includes.   + Source code management server with git   + CI/CD pipeline with Jenkins   + Nightly build with automated deployment environment on Jenkins   + Develop agile sprint planning and issue tracking with Jira   + Develop integration test with JUnit | | | | | |
| **Environment:** | Java (Spring, hibernate, maven, Junit, HyperJAXB, RestAssured), MySQL | | | | |
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| **Client:** | Real Deal Software Solutions | | Mar-2020 Dec 2021 | | |
| **Project:** | Blood Safety Information System | |  |  | |
| **Description:** | BSIS system is an open-source project which was initially developed by USAID-CDC. The project is a monolithic application, where backend was developed by Java SpringBoot and frontend with AngularJS. | | | | |
| **Role:** | Senior Software Engineer | | | | |
| **Responsibilities:** | | | | | |
| Responsible for requirement gathering, design, develop and testing of the backend. | | | | | |
| **Environment:** | Ubuntu Linux, Docker, Apache, MySQL, Java (Spring, Hibernate) | | | | |
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| **Client:** | ESOG | | Mar-2020 Sep-2022 | | |
| **Project:** | E-learning and Journal management system (EJRH) | |  |  | |
| **Description:** | Responsible for designing and developing a system for the society’s internal activities. | | | | |
| **Role:** | Consultant | | | | |
| **Responsibilities:** | | | | | |
| * Participated in the development of a web-based E-learning platform that is used by members of the society. The platform was developed using Ruby on Rails MVC framework. * Also, this E-learning platform was interfaced with a journal management system. The journal management system was developed with PHP, html, CSS and JavaScript. I was responsible for customizing and deploying the system. * Responsible for designing and implementing cross-platform frameworks. | | | | | |
| **Environment:** | Ubuntu Linux, Docker, Apache, PostgreSQL, MySQL, Ruby on Rails, PhP, HTML, CSS, JavaScript | | | | |
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| **Client:** | Addis Continental Institute of Public Health | | Sep-2018 Feb 2020 | | |
| **Project:** | ACIPH Communication Portal | |  |  | |
| **Description:** | Aimed at creating a platform to smooth the communication between employee’s, students, and clients of ACIPH. | | | | |
| **Role:** | Software Programmer | | | | |
| **Responsibilities:** | | | | | |
| * Responsible for Analyzing, Designing, Developing and Implementing an internal/external communication system used by the company and its clients. | | | | | |
| **Environment:** | Ubuntu Linux, Apache, MySQL, JAVA with hibernate, spring frameworks | | | | |
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| **Client:** | dVentus Wind Technologies | | Sep-2015 Apr 2017 | | |
| **Project:** | Smart electric and water meter | |  |  | |
| **Description:** | The main focus of the company was to produce smart water and electric meter. And our team was responsible to develop the system for handling utilities data that is generated from these meters. | | | | |
| **Role:** | Software engineer | | | | |
| **Responsibilities:** | | | | | |
| * Participated in the development of meter data management modules for the smart water meter and the single-phase electric meter taking part as a designer, developer, tester and infrastructure head. * Software was developed using java and it’s frameworks like maven, JAXB, Hibernate, Spring * Efficiently deployed and integrated software engineered by team and updated integration/deployment scripts to improve continuous integration practices. * Develop plugins for infrastructure servers   + Gitblit-Jenkins plugin using java   + Gitblit-Redmine plugin using ruby on rails | | | | | |
| **Environment:** | Java (with its libraries like Spring, hibernate, maven, Junit, HyperJAXB, RestAssured), MySQL | | | | |

**References**

1. Yaregal Bante: Director at the National Blood Bank Service of Ethiopia, [yaregalbante@gmail.com](mailto:yaregalbante@gmail.com), +251983424242
2. Professor. Yemane Berhane: Director at Addis Continental Institute of Public Health [yemaneberhane@gmail.com](mailto:yemaneberhane@gmail.com) , +251911219785
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