

Curriculum Vitae

Andrew Karanja

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<https://github.com/AndrewKaranja>

Portfolio website- andrewkaranja.netlify.app

Summary

A passionate Informatics and Computer Scientist with five years of experience in full-stack development and a strong background in project management. Proficient in using tools and techniques such as React js, Node js, Android Java, Google Cloud, and AWS Cloud. I am eager to contribute my skills to projects that make a positive impact on society. I have a proven track record in successfully managing and delivering projects within budget and on time. I am seeking a challenging position in the technology industry to further hone my skills and make a difference in the world.

Experience

TierData Ltd (Centum Subsidiary) / Fullstack Developer

June 2023-Present, Nairobi,Kenya

- Create Saas solutions for Centum and its investments-PrecisionPay Ke, TRIFIC portal, Real CRM and RevenueStadia.
- Maintenance and Management of centum real estate investments using software we develop and maintain in house (Revenue Stadia)
- Modelling, coding, configuration and setup of IoT systems-Smart water meters and Smart electricity meters.
- Developing software solutions for third party clients of TierData-Longhorn Elearning platform and ecommerce site

Fintech Ltd / Software Developer

March 2023-June 2023, Nairobi,Kenya

- Optimise and improve financial systems by addressing defects and incorporating new requirements.
- Developed and integrated core banking system solutions, which enhanced mobile banking capabilities for over 100,000 users and clients.
- Actively participate in software release cycles, including development and demonstrations.
- Collaborate with the software testing team to review test plans, test cases, and resolve issues identified during testing.
- Adhered to project timelines and effectively resolved technical challenges.
- Worked on complex and multiple project assignments with guidance from senior team members.
- Identify and resolve technical issues through effective troubleshooting.
- Provided both onsite and offsite support for client systems, ensuring a 99% uptime for critical services.
- Skills acquired: Java, Kotlin,SQL, RabbitMQ, Core Banking, .NET Framework, Oracle Database, Microsoft SQL Server, Microservices.

TwoMatches / Software Engineer-Frontend

June 2022-May 2023, Leander, Texas, United States

- Utilise expert-level knowledge in Frontend development to consistently deliver high-quality code and ensure optimal webapp performance.
- Collaborate with cross-functional teams to design and code seamless UIs using cutting-edge tools and technologies such as React js, Next js, Figma, Mono repos, and Git.
- Streamline development processes by implementing agile methodologies, leading to a 20% reduction in development time and a 30% increase in overall team efficiency.

Population Service International / ChatBot Developer Intern

July 2022-December 2022, Nairobi, Kenya

- Developed and integrated chatbots for Facebook and WhatsApp Messenger, resulting in an increased engagement rate of over 25% for health-related topics such as contraception and sexual wellness. Used HL7 and FHIR standards for the systems
- Designed, coded, and modified chatbots that served millions of users across African and Asian countries, including SHIPS (NG, UG, KE), A360 project in Tanzania, and Eswatini wellness chatbot.
- Utilised machine learning and sentiment analysis to improve the chatbots' conversational capabilities, providing personalised recommendations to over 2 million users across African and Asian countries.
- Leveraged DialogFlow and RapidPro to develop and deploy chatbots that efficiently provided interactive media on health topics.
- Collaborated with a team of developers and project managers to ensure timely and successful project completion.

Kinga Sacco / Web Developer

December 2019-Present, Nairobi, Kenya

- Design, code, and modify high-quality websites for Kinga Sacco, a leading financial services organisation in Nairobi, Kenya.
- Currently serving as the Back-office Manager for the website, ensuring seamless functionality and performance across all features.
- Proactively manage and maintain the website's chat feature and loan calculator, resulting in improved user engagement and increased conversion rates.
- Utilised cutting-edge technologies such as HTML, CSS, and JavaScript to develop responsive, user-friendly interfaces that deliver an exceptional online experience to Kinga Sacco's customers.

Projects

3illboard / Founder- <http://3illboard.vercel.app/>

January 2022 -Present, Nairobi,Kenya

- 3illboard is a SaaS platform that is essentially a marketplace for physical ad spaces such as print billboards,digital billboards,moving ads and so many more.
- The project is built on Firebase-Express-React-Node (FERN) tech stack.
- The SaaS also allows for ad space owners to manage their ad listing by creating bookings, Chatting and sharing designs with clients and showing progress of ads from booking to mounting.

UNDP Accelerator Program

September 2020 -March 2021, Nairobi,Kenya

- My project was selected to participate in an accelerator program organised by Konza in partnership with UNDP and the UK government in a bid to help solve some of the issues faced in our transport industry.
- The accelerator is an ongoing process with a target of pushing the product to the market by mid next year.

Konza Technopolis / The Great COVID19 Innovation Challenge

May 2020 -September 2020, Nairobi,Kenya

- I was a semi-finalist in the Great COVID19 Innovation Challenge by Konza Technopolis.
- I participated in the 2-day hackathon organised by the Association of Countrywide hubs and partners(Microsoft, UNDP, Oracle, among others).
- I featured in a UNDP article concerning my project, LipaFare, that I worked on during the hackathon.(Link <https://www.undp.org/kenya/blog/looking-ahead-how-will-covid-19-shape-future-work-kenya>).

Kenya Children's Homes / Service Based Learning

January 2020 -April 2020, Nairobi,Kenya

- I became the group leader of the volunteers posted at the home's bakery.
- I baked pastries in the bakery. The pastries fed the children at the home and the surplus sold to earn the home some income.
- Helped in the sale of the pastries we baked at the bakery.
- I also assisted in the cleaning of the bakery and its environs.

Education

Strathmore University /BSc informatics and computer science

JULY 2018 - SEPTEMBER 2022, Ole Sangale Road ,Nairobi , Kenya

Second Class Upper division Graduate.

AWS Academy Graduate /AWS Academy Cloud Foundations

SEPTEMBER 2021 - JANUARY 2022, Online Course

Certification by Amazon Web Services(AWS) .

Issued Jan 2022

Google / Fundamentals of digital marketing certification

JANUARY 2020 - FEBRUARY 2020, Online Course

Certification by Think With Google APAC .

Issued Feb 2020

Credential ID 6NF 7Q2 SQR

eMobilis Institute /Certificate in Mobile Technology and Entrepreneurship: MIT

JANUARY 2018 - APRIL 2018, Westlands ,Nairobi

Main things taught in the program include android development,java programming language and entrepreneurship .

Mang'u High school /Kenya Certificate of Secondary Education

FEBRUARY 2014 - DECEMBER 2017, Thika

Skills

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- Programming: Javascript (vanilla, React JS, Next js, Node JS), Java (Android, Data structures, and algorithms), C++, .NET, SQL,MongoDB
 - IoT systems configuration and setup
 - HL7 and FHIR standards
 - Project Management: Miro, Jira, Agile methodologies (Scrum, Kanban)
 - Cloud Platforms: Amazon Web Services, Google Cloud Platform
 - Web Development: Firebase-Firestore, Monorepos, Figma
 - Design: 3D modelling and graphics design with Blender and Inkscape
 - Office Tools: Microsoft PowerPoint, Microsoft Word, Excel
 - Other: Leadership, experience in managing teams and delivering projects on time and within budget
 - Strong analytical and problem-solving skills

Referees

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