David Amunga

Senior Software Engineer   Nairobi,Kenya
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Work Experience

Frontend Engineer,Patrium Health (Contract Remote) - July 2024 – * - Santa Monica,US
⇒ Led mobile platform development with Expo and TailwindCSS, reducing MVP development timeline by 30%
⇒ Built foundational documentation and component libraries that cut new feature development time from 1 week to 2 days

Senior Frontend Engineer,Echo Mobile - July 2022 – May 2024 - Nairobi, Kenya
⇒ Rebuilt the enterprise product to use modern frontend architecture,a fresh design system helping the team meet growing customer expectations 6 months ahead.
⇒ Engineered custom onboarding workflows that shortened time to value for new users from 2 weeks to a week.
⇒ Set up core deployment and testing baselines, cutting off a 10 minute manual QA checklist on releases that added the team focus towards feature delivery.

Mobile Android Engineer, VirtualCity Ltd - July 2021 – July 2022 - Nairobi, Kenya
⇒ Built key integrations with Hardware IOT Devices to enhance compatibility with Clients' existing setups.
⇒ Refactored a major part of the flagship Android application, improving app performance from 62% crash free sessions to 90%
⇒ Implemented an efficient Cache and Network Database policy to result in an Offline-First mobile application suited to customer needs.

Software Engineer, Identigate Integrated Solutions - Jan 2019 – July 2022 - Nairobi, Kenya
⇒ Rebuilt the core enterprise application to a lean clean architecture that led us to iterate on major product features quicker within a week.
⇒ Built core CI/CD pipelines for product releases that saved engineering time to deliver product features.
⇒ Implemented an internal reporting dashboard for the team that gave direct observability on essential product metrics.
⇒ Developed strategic tools that complemented core platform features that led to higher activation and retention for the highest product tier offering.

Frontend Developer, HP Research Lab – Jan 2018 - Dec 2018 – Nairobi, Kenya
⇒ Developed a lightweight reusable component library and design system that shortened prototyping of product workflows from a week to 3 days.
⇒ Led the frontend development for enterprise applications using React and TypeScript
⇒ Developed interactive embedded custom data visualization dashboards using Metabase that helped key stakeholders define key product metrics to track and deliver to leadership.

Awards:
- ➔ Won the Code for Impact award during Nairobi Tech Week 2018 for building *Groupeth,* A decentralized crowdfunding system using Ethereum .
- ➔ Won the LawyerHub and iLab Incubation award during Nairobi Tech Week 2019 for building *SemaPesa,* MPESA Payment Requests using an Alexa Echo Device
- ➔ Participated in the Giza Hackathon hosted by Hover in 2020. Built BundlePesa an Android used to buy Safaricom No Expiry Voice/Data bundles.

SIDE PROJECTS

pesaqr.com - Generate M-PESA Payment QR Codes for all Kenyan businesses instantly
cucopy.com - Scan and Copy CU Invoice Numbers from Kenyan Tax Invoices
calckenya : Free tool to calculate Taxes,Salaries,Conversions and Metrics in Kenya
stima.app - Free Electricity Bill Tracker for KPLC Prepaid Meters
simtray.app - Direct Dial Directory of 1000+ USSD Codes
tweetblockpro.com - Chrome Extension to hide all posts from select twitter handles
qrbarcodetools : Free Web App that generates Bulk QR and Barcodes in an instant.
bettersearch :   Chrome Extension that provides additional search options straight from your Home page.
bundlepesa : Free Web Tool to Buy Airtime/Data from Safaricom Carrier Faster than typing USSD Codes.
sgrcheck - Check SGR Train Seats Availability

OPEN SOURCE

GitWrapped - Get High level statistics off any local Git repository
GitMeProfile – A Github Stats Visualizer Tool
Talos Dark – A Neat Dark Blue Visual Studio Code Theme
HTML Email Templates - Minimal Responsive HTML Templates for Developers

EDUCATION

2018 B.Sc, in Informatics, Strathmore University
- ➔ Built a project on a fitness tracker android application that interfaces with an Android Wear Device.

TECHNICAL SKILLS

React,NextJS,Typescript,Redux,NestJS,TailwindCSS,Express,Firebase,PostgreSQL, Java,Kotlin,Amazon Web Services, Figma, NextJS,React Native,VueJS,Github Actions,Azure Devops