

Benson Njuguna Kariuki

Senior Software Engineer, Fullstack Cloud Engineer

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Profile


Hey there! I'm a tech ninja with 9+ years of experience slaying code across different industries, from Digital Agencies, Health, to Fintech and beyond. My prowess is in cloud engineering (AWS, Azure, Google Cloud), Typescript, JavaScript (React JS/Node.js/Vue.js/ React Native), MongoDB, MariaDB, MySQL, PostgreSQL, and PHP (Laravel/Codeigniter).

I'm passionate about solving problems, team leadership, clear and concise communication and fullstack cloud engineering. I work well as part of a team and independently and have a proven track record in developing Distributed Systems, microservices, system architecture and design, high-quality, secure, tested, and scalable software solutions.

Professional Experience

Senior Software Engineer

10.2022 - present

Codemonk 


- I work as a backend heavy MERN (MongoDB, ExpressJS, ReactJS, NodeJS) stack developer working on the <https://arm.com> project that helps hardware system developers design products like IoT, laptops, phones, TVs, gadgets using ARM's IPs like processors, System Controllers, Embedded System Design, CoreSight Debug and Trace, etc.
- Leveraged AWS cloud technologies i.e. AWS Lambda, Amazon EC2, Amazon DynamoDB, Amazon RDS, Route53, Amazon API Gateway, AWS CLI, SQS, Amazon S3 buckets, Cloudfront, Cloudwatch, Cloudtrail among others to build secure, fast, and scalable back-end microservices using NodeJS, Typescript, Javascript, OOP, KnexJS, MongoDB, PostgreSQL, Docker and git.
- Worked on the front-end consuming back-end data via ReactJS, JSON APIs, to build interactive user experience and delivering faster time-to-market for our web applications.
- Collaborated with team in code reviews on github, use code quality assurance tools such as Sonarqube, Sonarlint, Mocha/Chai, Jest, Nyc, CI/CD pipelines, Jenkins, git etc.

Fullstack Developer (APIGEE Developer)

07.2021 - 02.2022


Safaricom PLC 

Nairobi, Kenya

- Designed and implemented robust security, traffic management, analytics, monitoring, and API Gateway policies for dozens of internal microservices, handling over 1 billion requests per day and ensuring 99.9999% service uptime using NodeJS, Javascript, Typescript, git, Swagger and Google Cloud, APIGEE Gateway.
- Helped redesign the Daraja 2.0 Developer portal  with a focus on improving the user experience and accessibility of our APIs using VueJS, NodeJS, git, Vuetify, Javascript, Typescript, core-js, PWA, HTML, CSS, MongoDB, MySQL, PostgreSQL etc.

Entrepreneur, Software Engineer

09.2020 - 11.2020

Antler.co 

Nairobi, Kenya

- Antler offers start-up founders/ entrepreneurs a 3 months long pre-seed bootcamp.

- Received start up training, team management, leadership and communication skills, pitch deck presentation, market research, among others.
- Developed and presented multiple entrepreneurship projects to venture capitalists (VCs) for pre-seed funding, leveraging the skills and training gained from the Antler accelerator program.

Senior Software Engineer, Cloud Engineer

Andela.com [🔗](#)

09.2019 – 11.2020

Nairobi, Kenya

- Led and expanded a team of software developers and testers from 2 to 9 in just 6 months, harnessing their collective expertise to deliver high-quality products and services that met the needs of our clients using TDD(Test Driven Development), Javascript, ReactJS, MaterialUI, Bootstrap, Styled Components, Tailwind CSS, Typescript, NodeJS, HTML,CSS, ExpressJS, NextJS, Redis, cloud engineering, Google Cloud, Azure, AWS Lambda, Amazon RDS, Amazon DynamoDB, MySQL, PostgreSQL, MariaDB, MongoDB, Git, Gitlab Pipelines, Bitbucket, Jest, Mocha, Chai, Swagger, Postman, Cypress/ Testcafe/ Playwright E2E test frameworks on different internal and client projects for Andela's clients.
- Consistently exceeded monthly key performance indicators (KPI) by 10-20%, demonstrating a strong work ethic and a commitment to achieving results that contributed to the overall success of the company.
- Earned recognition as employee of the month out of 1200 developers and staff, thanks to a combination of hard work, dedication, leadership, team work,and a passion for delivering top-notch results.
- Mentored and coached, interviewed teams of developers from one level to another, leveraging my expertise and experience to help them develop their skills, improve their productivity and achieve their career goals. By doing so, I helped foster a positive and collaborative work environment that benefited both the a team and the company.

Senior Software Engineer, Team Lead

Workpay Ltd [🔗](#)

06.2019 – 09.2019

Nairobi, Kenya

- Led a team of developers in building the Workpay HR system (www.myworkpay.com), a cutting-edge online HR system that integrates check-in biometrics, bulk SMS, and mobile payment disbursement (M-Pesa, Paypal, Visa, Mastercard Integration).
- We used PHP, Laravel, MySQL, git, gitlab, VueJS, APIs, AWS, ReactJS (Admin Dashboard - <https://dashboard.myworkpay.com/login>), MongoDB among other tools.
- Revamped the way of working by introducing Scrum/Agile methodologies using git, Jira Kanban and Scrum Boards, leading to faster project delivery and reducing burnout by up to 40% and productivity by about 70%. By doing so, I helped foster a culture of innovation and collaboration that ultimately benefited the team, the company, and our clients.
- Collaborated with clients to develop bulk SMS and payment systems that met their unique needs and specifications using HTML5, CSS, Bootstrap, NodeJS,Git, Typescript, Javascript, MySQL, Laravel and PHP cron jobs.

Consultant

Incentro [🔗](#)

05.2017 – 04.2018

Nairobi, Kenya

- Leveraged the Scrum and Kanban frameworks to develop corporate websites using Angular, ReactJS, Javascript, Typescript,PHP, MySQL, Google Cloud, custom Wordpress themes and plugins, and in-house mobile apps using React Native.

Co-Founder

Safirilite LTD. [🔗](#)

05.2015 – 05.2017

Nairobi, Kenya

- Founded and launched Kenya's first integrated online bus ticketing system, modeled after the successful Redbus.in platform. By doing so, I revolutionized the way people book and pay for bus tickets in Kenya, making it easier, faster, and more convenient for commuters and bus operators alike.

- For the system we used CodeIgniter, PHP, Javascript, jQuery, CSS, Bootstrap, git, bitbucket, jira, twilio SMS, Paypal Payment API, Mobile payment M-Pesa integration.

Web Developer

Circle Digital Ltd.

04.2014 – 05.2015

Nairobi, Kenya

- Developed dozens of corporate clients' websites as a fullstack developer from concept to finished product, using my expertise in coding and programming to deliver websites that were not only aesthetically pleasing but also highly functional and user-friendly.
- Gained my first experience working remotely and using the Scrum framework while developing corporate clients' websites. Technologies and programming languages we used include Jira, Confluence, git, github, AngularJS, ReactJS, Javascript, backbone.js, underscore.js, jQuery, HTML, Bootstrap CSS, ReactJS, PHP, Symphony, jQuery, wordpress, scrum, among others.
- I worked on noteworthy websites like Dominos Pizza, I&M Bank Website (multi-site, Geolocation), GA Insurance multisite.

Web Developer

WPP-Scangroup

04.2012 – 03.2014

Nairobi, Kenya

- Scanad is a Digital agency that helps companies with branding, marketing and brand awareness.
- I was the first software developer at the company. After dozens of successful projects, management appreciated the need of developers in the company and started hiring more programmers.
- Led a team of talented designers, marketers, and developers to build two award-winning systems that helped our clients achieve their business goals. By fostering collaboration, communication, and innovation within my team, we were able to deliver high-quality work that surpassed our clients' expectations and earned recognition within our industry.
- Built a variety of online assets, including websites, micro-sites, Facebook apps, and online systems, for big corporate clients such as Britam, Nakumatt, Coca-Cola, and EABL using Javascript, CSS, Codeigniter, PHP, MySQL, Oracle 11g, Microsoft SQL, jQuery, SVN, Tortoise, HTML, Joomla CMS, Dreamweaver, Photoshop, Illustrator, Facebook app developer API among others.
- By leveraging my expertise in coding and programming, I delivered online assets that were not only visually appealing but also highly functional and user-friendly. As a result, I helped our clients establish their online presence, engage with their customers, and achieve their business objectives.

IT Intern

Ministry of State For Planning, National Development & Vision 2030

06.2011 – 08.2011

Nairobi, Kenya

- IT support
- Supported and maintained ministry data, computers, devices, and internet connections.

Education

Bsc. Computer Science

Kenyatta University

09.2008 – 04.2012

Nairobi, Kenya

- Earned BSc. in Computer Science.

KCSE Certificate

Mang'u High School

02.2003 – 11.2006

Nairobi, Kenya

- Achieved an A- (79 out of 84) academic grade while leading the school's athletics team as team captain and representing the school at the national level, resulting in winning the "Sportsman of the Year - 2006" award.

Busara Forest View Acadeemy

Nairobi, Kenya

- Achieved an outstanding Grade A (446/500) in national exams, ranking in the top 0.01% of students countrywide.
- Ranked 61 out of 540,069 students, a testament to my academic excellence and dedication.

Certificates

- AWS Cloud Practitioner Certificate [↗](#)
- Securing Your AWS Cloud [↗](#)
- Anti Money Laundering [↗](#)
- Professional Scrum Master [↗](#)
- Mobile Application Development [↗](#)
- Certificate of Language Ability [↗](#)

Skills

Typescript, Javascript, PHP, React, MongoDB, MySQL, Communication, Laravel, VueJS, Postgresql