

# HUNGAI AMUHINDA

[hungaikevin@gmail.com](mailto:hungaikevin@gmail.com) +254724490814 [github.com/hungaikev](https://github.com/hungaikev)

## SKILLS

---

<b>Languages</b>	Golang, Scala, Java, Python, Javascript, HTML, CSS
<b>Libraries &amp; Frameworks</b>	Akka, Play Framework, Slick, Lagom, Cats, Open Telemetry
<b>Data Processing &amp; Storage</b>	Kafka, MySQL, Postgres, Cassandra, DynamoDB
<b>Infrastructure</b>	Docker, Kubernetes (OpenShift, GKE, EKS ), Jenkins, Circle CI, Nginx
<b>Tools &amp; More</b>	Jira, Confluence, Git

## EXPERIENCE

---

### [Bread Financial](#) | Senior Software Engineer| June 2020 - March 2023

As a Senior Software Engineer at Bread Financial my role involved developing components of financing tools for retail customers in the US and Canada, mentoring and coaching a team of engineers, and ensuring adherence to organizations' standards, processes, and best practices.

#### Accomplishments

- Drove the design, specification and release of Loan Applications and Decision services within the company.
- Developed (as part of a 4-person team) a microservice orchestration service that is used to process loan applications for customers. Wrote 60% of the code and reviewed the other 40 %. We shipped three weeks ahead of schedule and we achieved excellent stability.
- Led the team that developed the buy now pay later infrastructure, now used by multiple companies, including Shopify and Soul Cycle.
- Transitioned to the Justice team, responsible for building services that were critical to loan decision-making, AML and compliance checks, credit checks, and KYC workflows.
- Played a critical role in both teams as the lead engineer, contributing to the design, development, testing, and deployment of high-quality microservices.

- Collaborated closely with cross-functional teams, including product, design, and QA, to deliver high-quality features and functionality to customers.
- Developed and maintained RESTful APIs, ensuring performance, scalability, and security.
- Contributed to the company's open-source projects, including a Golang-based SDK for interacting with Bread's API.
- Actively participated in code reviews, providing constructive feedback to ensure code quality and adherence to best practices.
- Led the adoption of Prometheus monitoring for microservices, improving observability and reducing the mean time to resolution for incidents.
- Contributed to the company's culture of continuous improvement, promoting agile methodologies and experimenting with new tools and technologies.

### **Skills, Tools, & Specializations**

Golang, Kafka, Docker, Kubernetes, Terraform, PostgreSQL, gRPC, REST, AWS (Amazon Web Services) Datadog.

### **Kyosk Digital Services | Chief Technology Officer | October 2020 - December 2021**

The role involved building a team of engineers from 5 to 40 engineers and leading that team of engineers to improve platform stability, accelerating hiring, mentoring and coaching team members, and implementing organization-wide engineering standards. The CTO was also responsible for overseeing the technology strategy and direction of the company.

### **Accomplishments**

- Ensure the development team meets all requirements for programming, testing, implementation, documentation, maintenance and support of systems application software in adherence with organizations standards, processes and best practices.
- Effectively manage team members following company policy and procedures, including performance, development, disciplinary, and conflict resolution with effective feedback.
- Collaborated with Engineers to help plan their careers, set up monthly goals and track the performance.

- Accelerated Hiring and Improved the recruitment process and turnaround time for candidates. Implemented a metrics system to monitor the process and find ways to improve our hiring.
- Improved team processes by introducing Standups, Sprint Planning, and Sprint Retro to bring structure and provide visibility to the business on what was happening to the technology team.
- Led the design and implementation of Observability in our internal services to understand how our services are performing.
- Partnered with other leaders in Engineering to implement organization-wide standards. i.e decision framework, operational readiness, on-call support, etc
- Provided engineering leadership and technical expertise to a team of 40 engineers, ensuring alignment with business goals and objectives.
- Established and enforced engineering best practices, including code reviews, automated testing, and continuous integration and deployment.
- Defined the technical vision and roadmap for the company, ensuring alignment with business strategy and market trends.
- Led the implementation of a microservices-based architecture, enabling the company to deliver products and features more quickly and with higher quality.
- Oversaw the development of a scalable and reliable cloud infrastructure, reducing downtime and increasing system availability.
- Mentored and coached team members to promote a culture of continuous learning and development, resulting in improved productivity and performance.
- Collaborated with product and business teams to ensure alignment on the product roadmap and priorities, facilitating successful product launches.
- Implemented metrics and monitoring systems to provide visibility into system performance, facilitating proactive issue resolution and reducing downtime.
- Established and maintained a culture of innovation and experimentation, encouraging the exploration of new technologies and approaches.
- Participated in fundraising activities, communicating the technical vision and roadmap to investors and other stakeholders.

### **Skills, Tools, & Specializations**

Jira, Confluence, Golang, Java, Kafka, Docker, Kubernetes, Terraform, MySQL, gRPC, REST, GCP, Prometheus,

**Ajua | Senior Software Engineer/Team Lead | August 2019 - June 2020**

While at Ajua the role involved leading a team of software engineers to deliver products and incremental features to the market, partnering with the product development lead to define the product vision, and automating multiple aspects of the SaaS to improve disaster recovery and testing.

- Lead a team of software Engineers delivering products and incremental features to market within agreed to project deadlines.
- Successfully Partnered with the product development lead (product specialist) to define the product vision (including the product roadmap) and own the product development lifecycle, working with and motivating cross-functional teams in a lean start-up environment.
- Automating multiple aspects using Terraform to set up new instances of the SaaS for better disaster recovery, increased automation and improved testing.
- Re-architecting monitoring infrastructure from top-to-bottom to better support scaling the number of metrics we were collecting.
- Developing opinionated observability (metrics, tracing, logging) packages as a drop-in installation for applications to enable us to support them in a consistent manner.
- Adding automated tests to all CI/CD pipelines to ensure consistency and validity of applications, helping all teams follow best practices and keep our stack observable.
- Developing and educating on effective visualisations of high-level overview dashboards for application and infrastructure level operations, particularly through the use of both USE and RED methodologies.
- Led a team of software engineers in delivering products and incremental features to market within agreed project deadlines.
- Successfully partnered with the product development lead to define the product vision and own the product development lifecycle, working with and motivating cross-functional teams in a lean start-up environment.
- Automated multiple aspects of the platform using Terraform to set up new instances of the SaaS for better disaster recovery, increased automation, and improved testing.
- Re-architected the monitoring infrastructure from top-to-bottom to better support scaling the number of metrics we were collecting, improving reliability and performance.

- Developed opinionated observability (metrics, tracing, logging) packages as a drop-in installation for applications to enable us to support them in a consistent manner, improving the speed and efficiency of the development process.
- Added automated tests to all CI/CD pipelines to ensure consistency and validity of applications, helping all teams follow best practices and keep our stack observable.
- Developed and educated on effective visualizations of high-level overview dashboards for application and infrastructure-level operations, particularly through the use of both USE and RED methodologies.
- Designed, guided, mentored, and challenged system architecture and design, promoting a culture of technical excellence and innovation.
- Participated in product ideation and innovation sessions, contributing to the development of new product features and enhancements.
- Collaborated with cross-functional teams to deliver successful product launches, meeting or exceeding customer expectations.

### **Skills, Tools, & Specializations**

Scala, Golang (Go), Terraform, Docker, Travis, Play, PostgreSQL, Jenkins, REST, Java

### **Lightbend | Software Engineer, Developer Support | June 2017 - July 2019**

During my tenure at Lightbend, I worked as a Software Engineer in Developer Support. My role involved monitoring and maintaining the availability, performance, and reliability of internal services, creating proof of concepts for customers using Akka, Scala, Cassandra, and Kafka, and developing customer-facing products that enable Lightbend customers to interact with commercial products.

- Built enterprise software that enabled companies to achieve observability of their services and gain better insight into service performance.
- Provided expert Scala and Akka domain knowledge to clients through professional services, assisting them in the successful use of these tools.
- Created training material and a skills matrix adopted across the company, accelerating and scaling individual and team development.
- Monitored the availability, performance, and reliability of our internal services.
- Deployed, maintained and helped troubleshoot our internal OpenShift deployment.
- Worked on proof of concepts for customers using Akka, Scala, Cassandra, Kafka.

- Developing customer-facing products that Lightbend customers use to interact with commercial products.
- Worked on proof of concepts for customers, utilizing Akka, Scala, Cassandra, and Kafka.
- Assisted in handling production outages for Lightbend customers, applying deep technical expertise to quickly resolve issues.
- Developed customer-facing products used to interact with Lightbend's commercial products, furthering the company's mission to provide excellent customer support and service.

### **Djuaji Research Limited | Lead Software Engineer | Jan 2014 - June 2017**

As a Lead Software Engineer, my responsibilities included managing and mentoring a team of four engineers to build a successful startup, leading all infrastructure development efforts, and building a streaming data pipeline to power the ingestion, transformation, and visualization of survey data collected through the customer-facing platform.

- Mentored and managed a team of 4 engineers into building a successful startup that raised Investment from Savannah.vc
- Built a streaming data pipeline to power the ingestion, transformation and visualization of survey data that was collected through the customer-facing platform.
- Led all infrastructure development efforts, setting coding standards and instituting common patterns for the Scala backend codebase.
- Spearheaded design and implementation of a team-wide planning, development, and release process.
- Planning and implementing a framework abstracting the process of sending data to instrumentation backends that now reports reliability for hundreds of APIs and intelligence that drives decisions on product investment.
- Developed and implemented a user authentication and authorization system, improving security and ensuring access control for users of the platform.
- Led the development of a RESTful API that allowed third-party developers to build applications on top of the platform.
- Worked with the product team to define the platform vision and roadmap, ensuring alignment with the needs of the business and its customers.
- Participated in business development activities, including sales calls, presentations, and demos of the platform to potential clients.

- Designed and implemented a real-time analytics engine, providing insights into user behaviour and driving improvements to the user experience.
- Architected and developed a distributed, fault-tolerant data processing system, enabling the platform to handle large volumes of data with high reliability and availability.
- Implemented and maintained a continuous integration and deployment pipeline, increasing the team's ability to deliver high-quality features and functionality to users.
- Mentored and coached junior engineers, promoting a culture of continuous learning and development within the team.

### **New Economic Venture Accelerator | Software Engineer | Feb 2013 - Jan 2014**

- Worked with product managers and engineering teams from different startups to help them work on their products.
- Developed mobile applications to support business venture incubation that includes research data-gathering initiatives.
- Assisted in the design and implementation of products built by the startups within the accelerator.
- Introduced the use of version control and trained colleagues on how to effectively use it
- Designed and developed a scalable data storage solution for the research data-gathering initiatives which significantly improved the data collection and analysis process.
- Contributed to the development of a marketing automation tool which enabled startups to reach their target audience more effectively.
- Worked on developing APIs and integrating third-party APIs to provide additional functionality to the startups' products.
- Implemented automated testing procedures that improved product reliability and reduced the time spent on manual testing.
- Led the development of an analytics platform that enabled startups to better understand their users' behaviour and measure the success of their products.
- Participated in weekly meetings with investors to discuss product development progress and seek guidance on any technical challenges.
- Conducted training sessions for new engineers joining the accelerator to help them quickly get up to speed with the development processes and technologies used.

- Collaborated with the UX team to design and develop responsive web applications that provided a better user experience across different devices.
- Implemented security measures to protect sensitive data collected through the platform, ensuring compliance with data protection regulations.

## TALKS & COMMUNITY

---

### **Nairobi JVM**

**April 2017 - Present**

Founder:

- Organize monthly meetups to share knowledge and experience within the tech community in Nairobi
- Organize workshops to upskill developers in certain technologies that they use in their day-to-day work.
- Mentor junior and upcoming developers on how to navigate a career in technology and how to solve problems.

### **GopherCon EU**

**May 30th 2019 - 1st June 2019**

Speaker:

- [Everything You Wanted to Know About Distributed Tracing in Go](#)

### **Strange Loop**

**Sep 12th 2019 - 14th Sep 2019**

Speaker:

- [Everything You Wanted to Know About Distributed Tracing](#)

## EDUCATION

---

### **United States International University**

**Nairobi, Kenya**

Bachelor of Science in Applied Computer Technology - Majored in Distributed Systems.

## REFERENCE

---

**Available on Request**