

# Peter Mwangi

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## EDUCATION

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- **Dedan Kimathi University of Technology** Nyeri, Kenya  
*Bachelor of Science in Electrical and Electronic Engineering, 2nd Class Honors, Upper Division* Sep 2012 - Apr 2017

## TECHNICAL SKILLS

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- **System design and architecture:** Design of distributed, multi-tenant and parallel processing systems
- **Programming languages:** Python, Go, SQL, JavaScript, TypeScript, HTML, CSS
- **Tools:** Git, Docker, Kubernetes, VS Code, Figma, Postman
- **Cloud Eevironments:** Google Cloud, Firebase, Vercel, AWS, Heroku
- **CI/CD:** Github Actions, Circle CI, Pulumi, Terraform
- **UI libraries and web frameworks:** React, Next.js, Remix, Express, Flask, Django
- **Databases:** NoSQL(Datastore, Cloud Firestore), Relational(MySQL, PostgreSQL), Data warehouse(Bigquery)
- **Search solutions:** Elasticsearch, Algolia, Search in App Engine

## COMPETENCIES

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- **Communication:** Clear and concise through both written and verbal means, in cross-team and interdisciplinary settings
- **Process:** Dynamic, team-player and guided by the agile principles of software development
- **Responsibility:** Ownership of products/features and demonstration of accountability
- **Growth and development:** Constant and autonomous learner, open to constructive feedback

## WORK EXPERIENCE

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- **Echo Mobile** Nairobi, Kenya  
*Software Engineer* Feb 2020 - Current
  - **Product planning:** Collaboratively defined the vision, scope and success metrics of projects aimed at implementing new features such as the user-friendly flows builder in the Echo Mobile platform.
  - **Research:** Worked with the internal design team to prototype user interface changes, carrying out usability testing on prototypes to get feedback that drove iterative development.
  - **Design, development, and maintenance:** Contributed and reviewed code and tests for the implementation of new and existing features on the Echo Mobile platform. Reported in daily scrums on milestones, progress towards tasks and barriers needing attention.
  - **Technical support:** Worked directly with the Customer Success team, customers and vendors to address technical and integration issues. Integrated new payments providers and international SMS aggregators with the Echo Mobile platform.
  - **Infrastructure monitoring:** Configured the production cloud platform and set alerting policies that led to early detection of anomalies and prompt resolution of issues.
- **Machakos Institute of Technology** Machakos, Kenya  
*Tutor* Jan 2018 - Jan 2020
  - **Technical training:** Taught Engineering Mathematics, Technical Drawing and Design, Microelectronics and other assigned units.
  - **Evaluation:** Assessed students' progress through continuous assessment tests and examinations. Supervised projects, practical work and industrial attachments.
  - **Departmental responsibilities:** Reported to the Principal and advised the management on the required materials. Prepared all the professional teaching documents for record-keeping.