

CURRICULUM VITAE

KOECH KIPSIGEI THOMAS

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PERSONAL INFORMATION:

- **Nationality** Kenyan
- **ID No** 22580324
- **Date of birth** 27th Sept. 1981
- **Gender** Male
- **Languages** English and Swahili
- **Marital status** Married

PERSONAL PROFILE:

I'm a registered graduate mechanical engineer experienced in supervision, maintenance, hydro power projects, building services projects and project management. I 'm excellent in team building ,scheduling, planning, controlling, and implementing standardized policies and procedures, flexible, results-oriented hands-on engineer with the ability to solve myriad of technical, logistical problems as well as sound resources management.

CARREER OBJECTIVES :

- To utilize my intellectual and acquired knowledge and skills in an organization that will enable me to effectively develop my career as well as accomplish the organization's mission and vision.
- To widen knowledge base to fit the constantly changing trends in technology for better competence and performance.

EDUCATIONAL BACKGROUND:

<u>YEAR</u>	<u>INSTITUTION</u>	<u>QUALIFICATION</u>
2013-to date	University of Nairobi	Msc. Energy Management
2002-2007	University of Nairobi	BSc. Mechanical Engineering (2 nd Upper Division)
2009 -may	Southampton college	Certificate in computer application packages (Credit)
1997-2000	Nairobi School	K.C.S.E. Certificate (A-)
1988-1996	Kapoleseroi Primary School	K.C.P.E. Certificate (547/700 marks)

WORK /PROFESSIONAL EXPERIENCE:

May 2011- present: Ministry of Environment and Forestry (Kenya Meteorological Department)

Position: Assistant engineer I & II (mechanical)

Duties & Responsibilities:

Main: Provision of mechanical engineering services;

- Preparation of drawings and designs for fabrication, plant, equipment, components and spare parts
- Supervision of production and implementation of quality controls on weather instruments
- Preparation of tender documents, technical specifications and evaluation for plants, vehicles and equipment
- Planning and implementation of annual work plans and cost estimates
- Preparation and maintenance of mechanical engineering records, reports and inventory on implementation of equipment, vehicles, plants and machines
- Preparation of maintenance schedules for equipment, vehicles, and plants and sourcing of spare parts.
- Installation, testing and commissioning of weather instruments, plants and equipment.
- Provision and maintenance of mechanical building services e.g. water systems, cold rooms and other related services.
- Planning and coordinating energy management programs, projects and policies within the department to ensure there is energy conservation.

March-May 2011: Heavy Engineering Ltd

Position: Trainee mechanical engineer.

Duties & Responsibilities:

- Reporting to the company project manager.
- Planning the work on daily/weekly basis to achieve production schedule.
- Preparing daily production report.
- Keeping and maintaining all the machines, equipments and tools in good working condition.
- Project co-ordination.
- Enforcing safety in the workshop floor.
- Preparing estimates for man hours, materials and consumables requirements for ongoing jobs and their requisition.
- Assisting the project manager in developing manufacturing schedules and key performance indicators for monitoring technical department performance.

- Controlling and preparing technical departmental budgets in order to ensure expenditure is in line with the business plan.
- Ensuring conformance with the relevant company policies in order to achieve safe and healthy working environment.
- Responsible for departmental human, material and time resources management for optimum utilization.

OCTOBER 2009-March 2011: Varsitech Consultants (consulting engineers & project managers)

Position: Assistant mechanical engineer (projects)

Duties & Responsibilities:

- Gathering data during site survey.
- Attending design meetings.
- Preparing of bill of quantities.
- Design of mechanical engineering building services.
- Project management of various engineering services.

February- July 2009: Machiri Ltd (Civil engineering contractors)

Position: Maintenance engineer.

Duties & Responsibilities:

- Develop preventive maintenance schedules for plant, vehicles, machinery and equipment to ensure that these continue to operate at optimum levels.
- Monitor the performance of machinery, plant, equipment and vehicles and revise maintenance schedules as necessary to ensure their continued effective performance.
- Monitor the results of planned maintenance programme and introduce any required changes where effectiveness needs to be improved.
- Prepare requirements and ensure availability of maintenance work spares, materials and personnel and maintain comprehensive records of stocks and maintenance carried out.
- Maintain knowledge of new development in maintenance practices and procedures to ensure that there is continuous improvement in maintenance standards in the workshop management.
- Work closely with staff comprising of mechanics, drivers, and plant, machine and equipment operators to monitor their performance to avoid unexpected breakdowns.
- Ensure that all documentation and procedures are provided by suppliers when receiving new equipment.
- Assist in the preparation and monitoring of budget to ensure that maintenance is carried out within agreed costs.
- Sourcing of spares to ensure their availability when required to ensure that machinery, plant, equipment and vehicle operate with minimal shutdown.

JANUARY- DECEMBER, 2008: Bhachu Engineering Works Ltd

Position: Workshop supervisor.

Duties & Responsibilities

- Design of various parts of tankers, trailers, tippers and low-loaders.
- Hands-on experience on fabrication techniques and processes.
- Supervision of machine operators and technicians in the workshop.
- Monitor and check the maintenance and repair of machine tools.
- Direct and control the staff in the workshop department.
- Prepare a list of material requirement.
- Ensure safety and health standards are observed

AUGUST-NOVEMBER, 2006: Ministry of Lands, Housing and Urban Development (Public Works Department)

Position: Attachment

Duties & Responsibilities:

- Introduction to design of plumbing and drainage services
- Introduction to design of fire fighting services
- Introduction to design of air conditioning & refrigeration services.
- Supervision of the above services.

JUNE-AUGUST 2005: University of Nairobi

Position: Internal attachment

Duties & Responsibilities

- Use of machine tools
- Use of measuring instruments
- Material testing
- Moulding and casting
- Engine overhaul

TRAININGS/COURSES/CONFERENCES/WORKSHOPS:

S/NO	COURSE/SEMINAR/ WORKSHOP	SPONSOR/ TRAINER	VENUE	PERIOD
1	Preparation for professional interview	IEK	Silver Springs Hotel-Nairobi	27 TH AUG 2011
2	Meteorological Instruments Course for Engineers and Technicians	WMO	Institute for Meteorological Training and Research (IMTR)	1 ST SEP 2011-1 ST DEC 2011
3	Instruments Training Course	THEODOR FREDRICH & CO.	Kenya Meteorological Department (KMD)	15 TH -22 TH NOV 2011
4	Renewable Energy and Energy Management	ERC	Kenya School of Monetary Studies-(KSMS)	14 TH NOV 2014
5	Continuous Professional Development (CPD)	EBK	Kenya School of Monetary Studies-(KSMS)	22 TH NOV 2017
6	Overview of Solar AC Micro-Grids	FUTURE ENERGY EAST AFRICA	Safari Park Hotel, Nairobi	29 TH Nov 2017
7	Solar PV Case Study: From project grants to resolving land issues	FUTURE ENERGY EAST AFRICA	Safari Park Hotel, Nairobi	29 TH Nov 2017
8	How Grid-Connected Solar PV can positively impact the local community	FUTURE ENERGY EAST AFRICA	Safari Park Hotel, Nairobi	30 TH Nov 2017
9	Sustainable Renewable Energy Development: Legal land use requirement, Town planning and Development control	FUTURE ENERGY EAST AFRICA	Safari Park Hotel, Nairobi	30 TH Nov 2017
10	Australia's First Three Technology Hybrid: Windlab's Kennedy Energy Park-A model For Africa	FUTURE ENERGY EAST AFRICA	Safari Park Hotel, Nairobi	30 TH Nov 2017
11	Financial and Technical Risk Mitigation During the Development, Construction and operation of Solar projects(Rooftop and utility scale)	FUTURE ENERGY EAST AFRICA	Safari Park Hotel, Nairobi	30 TH Nov 2017
12	Creating Value at Power and Energy Plants through operational readiness	FUTURE ENERGY EAST AFRICA	Safari Park Hotel, Nairobi	30 TH Nov 2017

PROFESSIONAL QUALIFICATION:

- Registered graduate engineer with Kenya engineers registration board (ERB) -B.5302
- A member of Institute of Engineers of Kenya (IEK)-G.4441

SKILLS AND ABILITIES:

- Strong writing and communication skills.
- Proven leadership and interpersonal skill.
- Ability to collect, edit and analyze data with a strategic and analytical mind.
- Independent thinker who can work with minimal or no supervision.
- Excellent team player.

HOBBIES:

- Reading inspirational works
- Making friend and participating in humanitarian/community work
- Athletics

REFEREES:**ENG. ALEXANDER NG'ENO**

MANAGING DIRECTOR

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