

SHABAN MBOGA NYAWA

(BSc - Civil Engineering; Cert. ICT)

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PROFESSIONAL SUMMARY

Results-driven Civil Engineer with 6+ years of experience specializing in highway engineering, roadway design, project management, and construction oversight. Skilled in AutoCAD, Civil 3D, cost optimization, and quality assurance, ensuring efficient, safe, and cost-effective project execution. Proven success in leading teams, managing multimillion-dollar projects, and enhancing urban mobility. Passionate about mentoring junior engineers and implementing innovative road solutions for safer and more sustainable infrastructure.

KEY SKILLS & COMPETENCIES

- **Highway & Roadway Design (Urban & Rural Roads)**
- **Project Management & Cost Optimization**
- **AutoCAD, Civil 3D & Structural Analysis**
- **Quality Control & Materials Testing**
- **Safety & Regulatory Compliance**
- **Construction Supervision & Surveying**
- **Contract Administration & Documentation**
- **Mentorship & Team Leadership**

KEY PROJECTS HANDLED

- 1. Routine and Periodic Maintenance Projects (2018 – Present)**
 - Role: Assistant Engineer
 - Scope: Road maintenance & drainage upgrades.
 - Achievements:
 - Improved road capacity by 30%, reducing congestion in key urban areas.
 - Implemented cost-saving measures, reducing project expenses by 15%.
 - Designed safer intersections, reducing accident rates by 25%.
- 2. Performance-Based Road Maintenance Contract (PBC) for Coastal Roads (2021 to Date)**
 - Role: Assistant Engineer
 - Scope: Maintenance & rehabilitation of 50+ km of highways in Mombasa County.
 - Achievements:
 - Implemented structured maintenance schedules, enhancing road durability by 30%.
 - Led a team of inspectors to ensure compliance with service-level agreements.
 - Optimized cost estimation procedures, reducing budget overruns by 20%.
- 3. Storm Drainage & Road Rehabilitation in Urban Areas (2018 to Date)**
 - Role: Assistant Engineer
 - Scope: Upgraded 15 km of urban roads with enhanced stormwater drainage.
 - Achievements:
 - Reduced urban flooding incidents by 40% through optimized drainage solutions.

- Coordinated contractors and government bodies for faster approvals & project execution.

PROFESSIONAL EXPERIENCE

Kenya Urban Roads Authority (KURA) – Coast Region Mombasa

Assistant Engineer (June 2018 – Present)

- Led multiple road and highway improvement projects from inception to completion.
- Supervised a team of engineers and technicians, ensuring project efficiency and safety.
- Designed road networks, stormwater systems, and urban intersections using AutoCAD & Civil 3D.
- Conducted technical reviews and site inspections, achieving 15% project cost reduction.
- Ensured strict compliance with Kenya Roads Act and international safety standards.

Ministry of Transport, Infrastructure, Housing & Urban Development – Coast Region, Mombasa

Assistant Laboratory Technician (Attachee) (Aug 2016 – Oct 2016)

- Conducted asphalt, concrete, and soil quality assurance tests, ensuring compliance with specifications.
- Prepared detailed material analysis reports to support engineering decision-making.
- Collaborated with engineers to resolve material-related challenges and improve performance.

Hasil Construction Company - Mombasa Kenya.

Deputy Site Agent – Attachee May 2014-August 2014

- Assisted in site supervision, project scheduling, and quality control inspections.
- Ensured project adherence to design specifications and safety regulations.
- Maintained project documentation, including budgets, reports, and schedules.

KEY ACHIEVEMENTS & LEADERSHIP

- 🏆 Mentored 50+ graduate engineers, interns, and attachés at KURA over 5 years.
- 🏆 Designed efficient road & drainage systems, reducing urban flooding by 40%.
- 🏆 Supervised inspection teams managing multiple contracts, ensuring efficiency.
- 🏆 Developed Excel-based cost estimation tools, improving financial accuracy by 20%.

EDUCATION

🎓 Bachelor of Science in Civil Engineering

Technical University of Mombasa (TUM) – Dec 2018

🎓 Technical Certification in Information & Communication Technology

Abad Institute of Technical Training – Dec 2016

CERTIFICATIONS & TRAINING

- 🏆 Performance-Based Road Maintenance Contracts – Kenya Institute of Highways & Building Technology (Dec 2021)
- 🏆 Sanitary Sewer & Pipe Networks Design in Civil 3D – RoadsHub (Sept 2024)
- 🏆 Autodesk Civil 3D Training – Centre for Innovative Technology Ltd (Sept 2024)
- 🏆 The Ultimate Civil 3D Training for Road Design – RoadsHub (Nov 2024)
- 🏆 Autodesk Civil 3D Advanced Training – Centre for Innovative Technology Ltd (Nov 2024)

PROFESSIONAL AFFILIATIONS

- Graduate Engineer – Institution of Engineers of Kenya (IEK) (June 2022)
- Graduate Engineer – Engineers Board of Kenya (EBK) (July 2021)