



# JOHN PEPELA

## PROFESSIONAL SUMMARY

Aerospace engineer with a strong interest in aviation, astronomy, and astrophysics. Experienced in technical systems, STEM outreach and hands-on learning. In addition to formal training in aviation, mechanical and aerospace systems, I have independently garnered sufficient knowledge in astronomy. I have independently conducted astronomy awareness sessions on informal settings. I am passionate about passing the knowledge of the universe to diverse audiences.

## SKILLS

- Astronomy Tools(Stellarium, Sky Maps)
- AutoCAD
- Problem solving
- MATLAB
- Python
- Communication

## EXPERIENCE

### Technical Lead

JAN 2024 - PRESENT | Saltic International Limited, Karen, Nairobi

- Led cross-functional teams in the design and implementation of scalable software architectures, enhancing system performance and reliability.
- Developed and executed project plans utilizing Agile methodologies, ensuring timely delivery of high-quality software solutions.
- Mentored developers in best coding practices and efficient problem-solving techniques, fostering a culture of continuous learning and improvement.
- Conducted code reviews and provided constructive feedback to maintain coding standards and improve overall code quality within the team.

### CAD Designer

SEP 2020 - PRESENT | Freelance, Karen, Nairobi

- Developed 3D component models for mechanical and aerospace-related projects.
- Enhanced communication and problem-solving skills through client collaboration.

### Aeronautical Engineering Intern

MAR 2023 - SEP 2023 | Solid Horizon Ltd, Wilson Airport, Nairobi

- Assisted in scheduled maintenance of general aviation aircraft (Cessna 172-206).
- Worked under licensed engineers on engines, airframes and avionics systems.
- Built teamwork and operational discipline, applicable to equipment operation and guest engagement.

## EDUCATION

### Bachelor of Science (B.S.) in Aerospace Engineering Candidate

Expected graduation JUL 2025 | Kenyatta University

### High School Diploma

DEC 2017 | St Joseph's Boys High School

## CERTIFICATIONS

- AutoDesk Certified User
- Scientific Computing with Python
- Responsive Web Design

## CONTACT



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Nairobi, Nairobi County

## WEBSITE, PORTFOLIO AND PROFILES

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- <https://www.linkedin.com/in/jpepelejohn>
- [www.pepelajohn.site](http://www.pepelajohn.site)

## REFERENCES

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### **Victor Bwire — Saltic International Limited**

Chief Executive Officer • Manager

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