

ISTANBUL  
SOFTWARE  
TESTING  
CONFERENCE

*The Evolving Landscape Of Software  
Testing:  
Skills, Challenges, And Trends*

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Senior QA Manager @ BTS Group

ISTC 2024



# Agenda

- **Biography**
- **History of Software Testing**
- **Evolution of Roles**
- **Skills Needed for Success in Your Testing Career**
- **Challenges and Solutions in a Testing Career**
- **Test Career Trends and Future Perspective**
- **Advancement Opportunities in a Software Testing Career**
- **Conclusion**

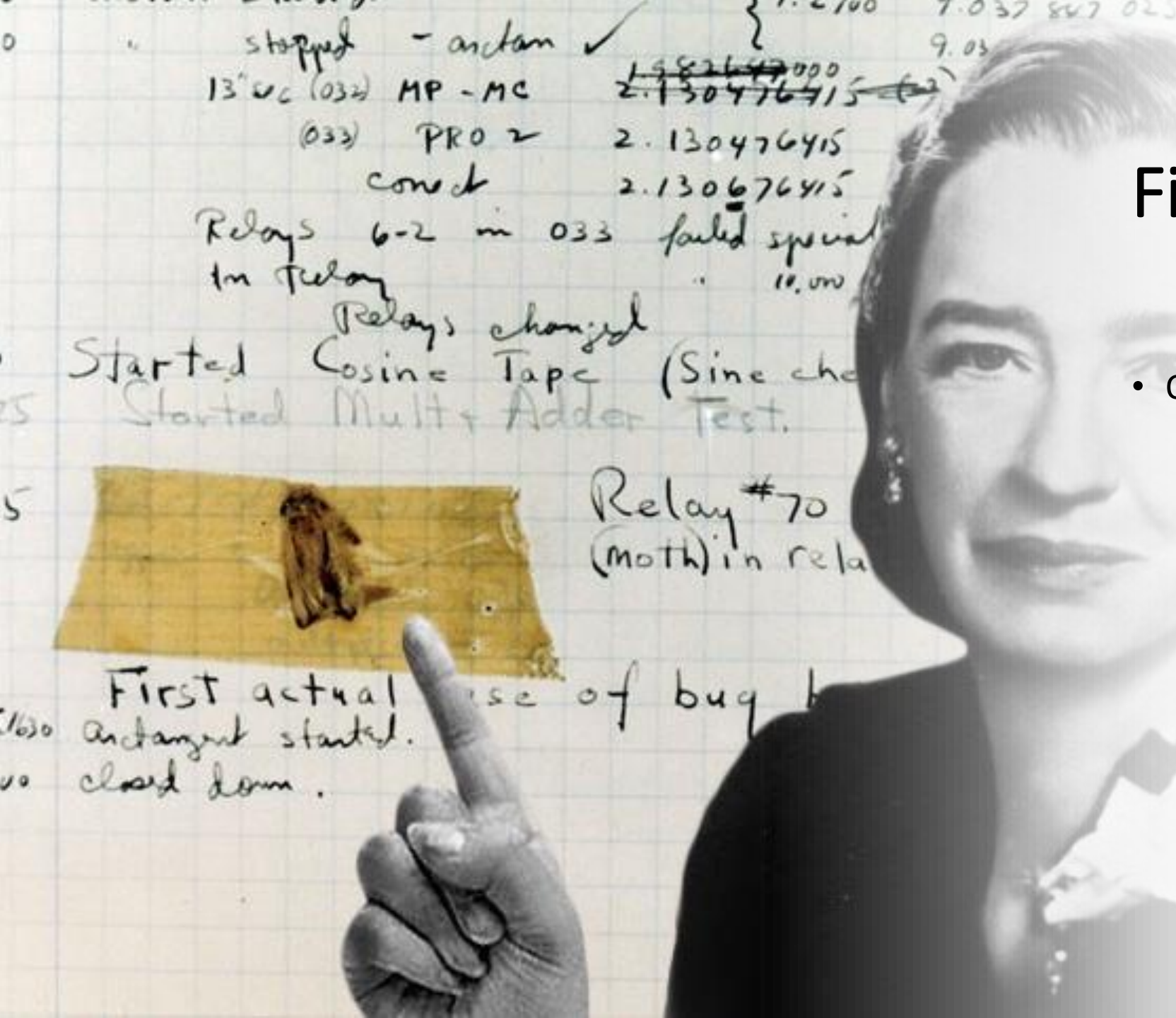


# İlker ERKEN – SW QA Professional



- **Personal:**
  - Married for 20 years
  - We've a son 15 years old.
- **Education:**
  - Graduated from Kabataş Boys' High School, Department of Mathematics.
  - Completed a degree in Mathematical Engineering from Yıldız Technical University.
- **Professional Experience:**
  - Worked in various fields including E-commerce, Energy, Telecommunications, Marketing, CRM, and Campaign Management.
  - Key companies: D-Smart, Markafoni, Sabancı Holding e-commerce companies, Epiaş, EneriSA, Al-Tayer Group, and Insider.
- **Key Contributions:**
  - Established and operated software QA and QA analysis infrastructures.
  - Built and mentored QA teams.
  - Actively participated in ISO 9001, ISO 27001, and CMMI certification processes.
- **Current Role:**
  - QA and Analysis Manager at BTS Group.
  - Conducting research on the impact of artificial intelligence on software QA processes.





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# First Bug

- Origin of the Term "Bug":
  - First bug found in 1947 by Grace Hopper at Harvard University.

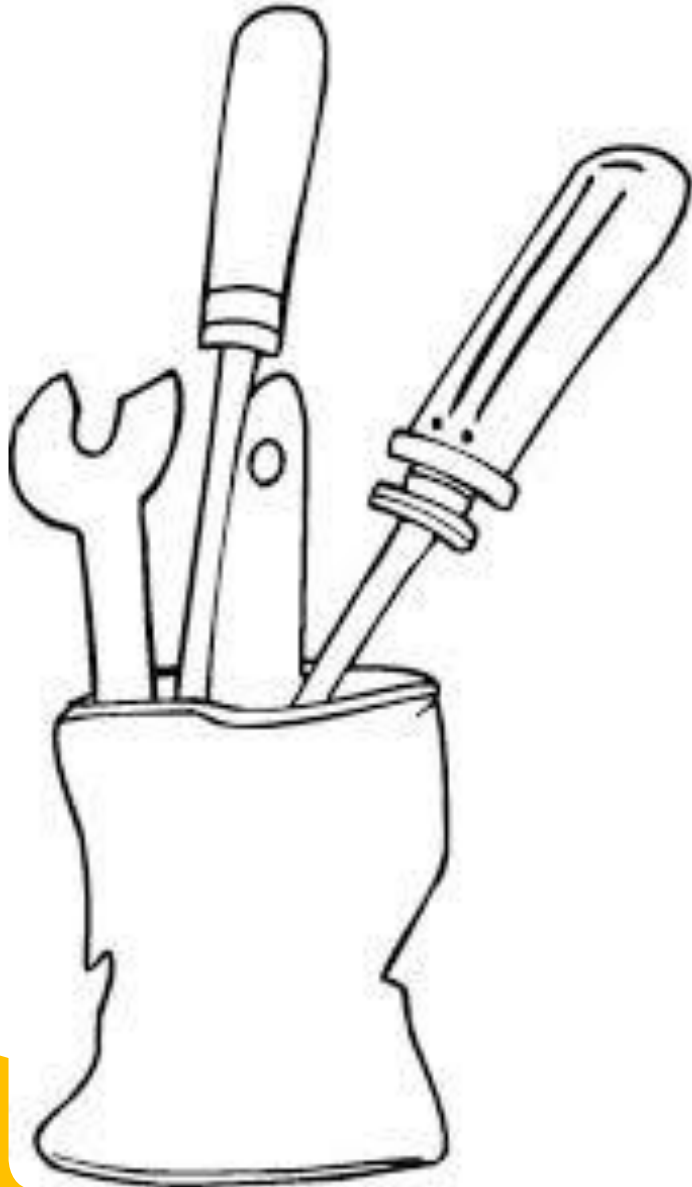


# History of Software Testing

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- Analyst Programmer Evolution:
  - Initial Phase: Analysis + Programming
  - Next Phase: Analysis + Programming + Manual Testing
  - Current Phase: Analysis + Programming + Manual Testing + Test Automation





# Skills Needed for Success in Your Testing Career

- **Soft Skills:**
  - Communication
  - Analysis
- **Technical Skills:**
  - Automation
  - Performance
  - Security
  - TestOps

# Challenges and Solutions in a Testing Career

- Common Challenges:
  - Overtime
  - Automation
  - Test Data Management
  - Test Environment and Capacity
  - Sponsorship Support
- Question of Value:
  - Are Developers More Valuable Than Testers?





# Test Career Trends and Future Perspective

- **Artificial Intelligence in Testing:**
  - Simplifies scripting
  - Reduces manual-technical distinction
- **Future Trends:**
  - Increasing automation and AI integration
  - Evolving roles requiring a blend of manual and technical skills





## Advancement Opportunities in a Software Testing Career

- Greater emphasis on technical skills
- Bug analysis
- Producing quality-focused outputs alongside traditional testing tasks

# Conclusion

- Recap of key points
- Importance of continuous learning and adaptation in testing
- Q&A session



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**Thank you!**