

Tolga Ors

e-mail: tolga@newspace.consulting

An accomplished and dynamic multi-lingual technical programme manager with 20 years' experience delivering complex global programmes to drive technological advancement, and achieve business and customer objectives.

Key Skills

- Engaging and empowering individuals and teams to promote a more positive, efficient and accountable working environment
- Stakeholder management building relationships with key stakeholders and managing their expectations
- Excellent leadership, facilitation, negotiation, coaching and technical skills with strong business acumen at a senior level
- Analytical and lateral thinker adept at problem solving and presenting complex data in a concise and user-friendly manner
- PMI PMP certified and a Prince2, Prince2 Agile, MSP and Management of Risk Practitioner

Key Achievements

- Was awarded the UN ITU Champion prize 2018 for International and Regional Cooperation on behalf of Inmarsat due to the success on UKSA International Partnership Programme (IPP) in Kenya, Nigeria, Indonesia and the Philippines
- Writing winning co-funded proposals and managing winning proposals throughout the program lifecycle

Career Summary

Managing Director, New Space Consulting, London, UK

March 2024 to Present

- Advising New Space founders on commercial viability and securing initial co-funding through grant and investment proposal writing

Head of R&D and Software Engineering, Team Tumbleweed, Remote

October 2023 to Present

- Leading and mentoring a team of volunteer software engineers to implement the required location and attitude determination software for a swarm of Mars rovers
- Leading the development of a scheduling algorithm to transmit science data back from Mars based on data priority and rover health

Director of Consulting, CGI UK Ltd., Leatherhead, UK

January 2021 to December 2022

- Programme Manager for the implementation and customisation of OneWeb software using Agile methodology
- Line manager of 7 software engineers and overall responsibility for a team of 20 resources, from chief architect to quality manager
- Managed complex contracts with suppliers, government, and commercial customers
- Contributed a hybrid project management approach to winning Intelsat Software Defined Radio (SDR) spacecraft proposal

Bid and Programme Manager Consultant, AST SpaceMobile, Remote

June 2020 to November 2020

- Overall responsibility for ESA partnership proposal bid

Programme Director Consultant, Inmarsat Global Ltd., London, UK

March 2019 to May 2020

- Maintained comprehensive programme records, covering expenditure, timesheets, and key milestones, to support full financial auditability
- Led legacy reviews across multiple UKSA co-funded programmes, ensuring each reached a clean, audited close-down

AI Programme Manager, Alan Turing Institute, Edinburgh, UK

January 2019 to March 2019

- Interface between academia and industry to ensure academic research is applicable to AI applications
- Managing programmes related to AI and Robotics

Innovation Manager, Future AI and Robotics for Space (FAIR-SPACE) Hub, Guildford, UK

April 2018 to August 2018

- Interface between academia and industry to ensure academic research is applicable to industry-led space missions
- Commercialisation of space innovations with industrial partners

Programme Director Consultant, Strategic Programmes, Inmarsat Global Ltd., London, UK

July 2012 to April 2018

- Writing and managing ESA and UKSA programmes (>£20m) with partners and stakeholders (>10)
- Liaising with 3rd parties, end users and stakeholders to balance commercial, technical and customer requirements and budget
- Stakeholder management and programme point of contact for legal, contracts and finance

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Programme Manager, Tata Communications Ltd., London, UK

April 2010 to July 2012

- Managed global matrix cross functional teams (>30) and budgets (>£20m) to deliver complex global infrastructure programmes that include teleports with multiple suppliers
- Engineering programme manager for the global JLR infrastructure which required connectivity to 28 sites in different countries including MPLS, Traffic Management, Content Delivery Network (CDN), Managed Hosting, Cisco Telepresence and Colocation
- Reviewed solutions, costs, risks and high-level technical specifications in Statement of Work (SOW) and customer proposals
- Liaised with 3rd parties, end users and stakeholders to resolve problems and balance commercial and customer objectives
- Identified issues and failures through analysis and continuous improvement initiatives, and recommended appropriate solutions

Senior Project Manager, EMC Europe Ltd., London, UK

July 2007 to Jan 2010

- Managed global matrix teams (>50) including contractors and offshore teams to deliver global programmes
- Reviewed and monitored existing infrastructure to analyse commercial viability and profitability of bespoke customer solutions
- Led the full end-to-end delivery of infrastructure projects with multiple equipment suppliers from engagement to operations handover and closure
- Successfully led the BT 21C infrastructure and OSS programmes rollout managing a >£20m budget and multiple stakeholders

Senior Manager, Intelsat, Washington DC, USA

July 2000 to July 2007

- Led the technical management for developing and delivering bespoke value add customer software solutions
- Liaised with customers and 3rd parties to formalise customer requirements, costs, risk and high-level technical specifications
- End-to-end delivery of projects from client engagement to handover and closure, including problem resolution
- Developed service level parameter objectives for IP Customer SLA's, now a standard part of premium customer contracts
- Significantly improved provisioning and fulfilment processes, resulting in reduced costs and improved metrics visibility

Senior Systems Engineer, Nortel Networks, Essex, UK

July 1999 to July 2000

- Part of an R&D team responsible for developing technical designs and low-level implementation solutions
- Designed IP architecture to support Quality of Service in a multi-service environment for a broadband satellite project
- Awarded a patent for an idea to optimise MPLS over multiple access segments

Senior Research Fellow, University of Surrey, Guildford, Surrey, England

June 1997 to July 1999

- Successfully managed work-packages for the Mobile Virtual Centre of Excellence (MVCE) project, which was funded by 25 companies. Editor of deliverables, contributing content including an innovative integrated mobile multimedia traffic model
- Co-authored several winning ESPRIT and EPSRC proposals.
- Authored 20+ technical papers on satellite networks and MPLS, published at international conferences, journals/books

Education and Qualifications

Space Studies Programme Certificate

International Space University, Sao Paulo State, Brazil

June to September 2023

MSc with Distinction in Computational Cognitive Neuroscience (with focus on AI)

Goldsmiths, University of London, London, UK

2018 to 2020

MSc in Project Management

School of Business Management, George Washington University, Washington DC, USA

2001 to 2004

PhD in Satellite Communications

University of Surrey, Guildford, Surrey, UK

1994 to 1999

MSc with Distinction in Satellite and Telecommunication Engineering

University of Surrey, Guildford, Surrey, UK

1993 to 1994

BSc (Hon) in Electronic Engineering

Istanbul University, Istanbul, Turkey

1989 to 1993

References are available upon request