Dominic Lindsay			
Contact	Address:	dcrl94@gmail.com	
	Moorgate, Lancaster	d.lindsay4@lancs.ac.uk	
Background	United Kingdom Cloud Computing and Orchestration Specialization, Fog Computing, In-		
Dackground	ternet of Things, Operating Systems and Networking.		
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Experience	I am an experience Software and Performance/DevOp's Engineer. I am		
	currently studying towards a PhD of Computer Science from Lancaster		
	University. Here I am researching adaptive orchestration platforms, including workload analyses and architecture benchmarking.		
	I aim to develop a federated orchestration framework for adaptive		
	scheduling across mobile clusters. Understanding orchestration perfor-		
	mance metrics involves empirical analyses of scheduler and resource man-		
	agement policies/behaviours in real world cluster. Experimental analyses		
	is conducted on a 100 node Kubernetes cluster I use to 'spin up' test- beds on demand.		
	Seeds of definand.		
Education	Lancaster University, PhD Computer Science	September 2017	
	Specialisation: Scheduling and Orchestration, Fog Computing and the Internet of Things	- Present	
	Lancaster University, MSci Software Engineering (1st Class)	October 2012	
	Specialisation: Service Orientated Architecture and Internet of Things	- June 2016	
	Dissertation: Feature Monkeys: A Composable Framework for IoT Appli-		
	cations	C 1 1 0010	
	Loreto College BTEC National Extended Diploma IT Practitioner $(A*A*A*)$	September 2010 - June 2012	
Publications	D.Lindsay, S.S.Gill, P.Garraghan - PRISM: An Experiment Framework	Published	
	for Straggler Analytics in Containerized Clusters Proceedings of the 5th International Workshop on Container Technologies		
	and Container Clouds		
	D.Lindsay, S.S.Gill, P.Garraghan - The Evolution of Distributed Com-	Submitted	
	puting Systems: From Fundamentals to New Frontiers		
	IEEE Annals of the History of Computing D.Lindsay, P.Garraghan - FOMEC - Federated Orchestration for Mobile	an a sin a	
	Edge Clusters	$on ext{-}going$	
	D.Lindsay, P.Garraghan - Workload Composition Aware Scheduling	$on ext{-}going$	
	S.S.Gill, D.Lindsay, P.Garraghan, et al - Transformative effects of IoT,	Published	
	Blockchain and Artificial Intelligence on cloud computing: Evolution, vi-		
	sion, trends and open challenges Internet of Things		
Employment	Lancaster University, Associate Lecturer	2017 - Present	
	Providing teaching assistance including preparing and giving lectures and		
	assistance with lab exercises.	C 1 1 0017	
	Demopad Software, Platform Engineer Implementation of platform features in both embedded system and cloud	September 2017 - January 2019	
	platform. Development of CI/CD pipeline. Diagnosing and providing	o anta arg 2010	
	patches for bugs.		
	SCISYS, Software Engineer	July 2016 -	
	Worked on several projects include: IoT Tracking and Control platform, RNLI Situational Awareness Monitoring System, Seimens Design Railway	September 2017	
	Software.		
Skills	C, C++, Python, GoLang, Java, R, Docker, LXC, Ansible, Puppet,		
	Kubernetes, Traefik, Git, SVN		
References	Dr Peter Garraghan (p.garraghan@lancaster.ac.uk)		
10101011000	Prof Utz Roedig (u.roedig@cs.ucc.ie)		