Peter Andreas Moelgaard

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Denmark   November 22, 1974

» Can bring a project from concept to production

» Can lead development and orchestrate architecture

» Can design, build and deliver software

Motivator, Software Architect, Full-Stack Nerd

Always enthusiastic. Tendency to being impatient, demanding, and overly perfectionist. I am fortunate to have worked with several world-class teams which has taught me the value of also being open, pragmatic, and realistic about goals.

Being an entrepreneur - in several cases taking on the financial risk too - has taught me the value of (and given me a bit of experience with) motivating others to take ownership, to contribute, and to grow.

As a Published Author, Popular Conference Speaker and Technology Community Evangelist for Adobe and Microsoft, I have had a chance to share my passion for cool technology, same philosophy I bring to the teams I work with.

Through my career I have designed and implemented +500 systems involving API's, so words like SOAP/XML, REST/JSON and JWT are well established in my vocabulary. Security is best when it's not an afterthought, but part of a system's DNA.

Having worked on every size of project, I have extensive experience with everything from small teams in startups to large complex organizations in Governments. I thrive in multi-team and multi-disciplinary environments.

In my experience, every project is different, and they all have in common they benefit from structured methodology, since SCRUM came to the scene it's been my preferred go-to process.

Documentation is in my nature, having taken organizations through Business Process Management projects to ISO certifications, requirements specifications and documentation excites me.

I can't stop building things. I am good at making stuff work. I enjoy work with ambitious people and with new technology.
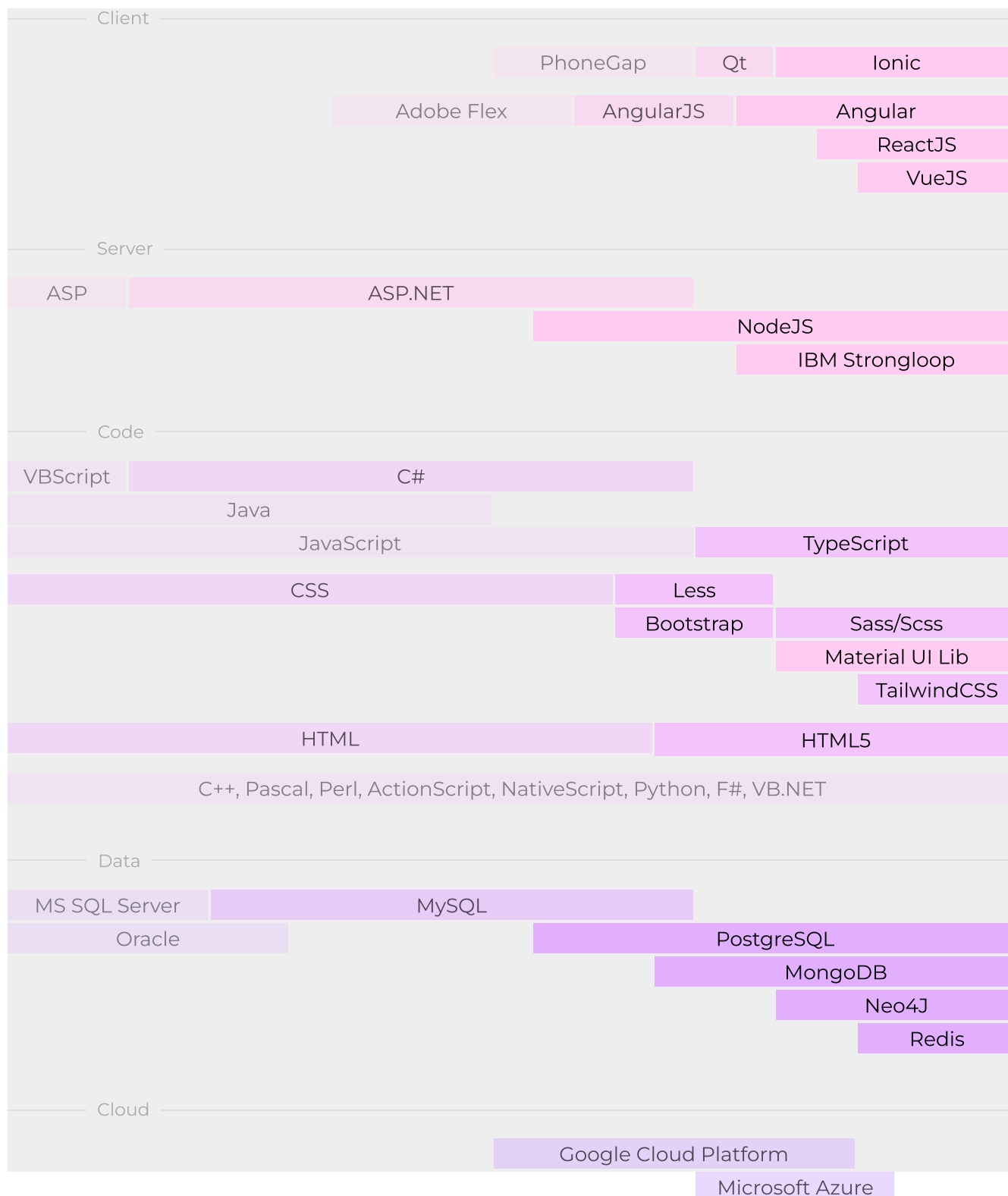
Work Experience Brief

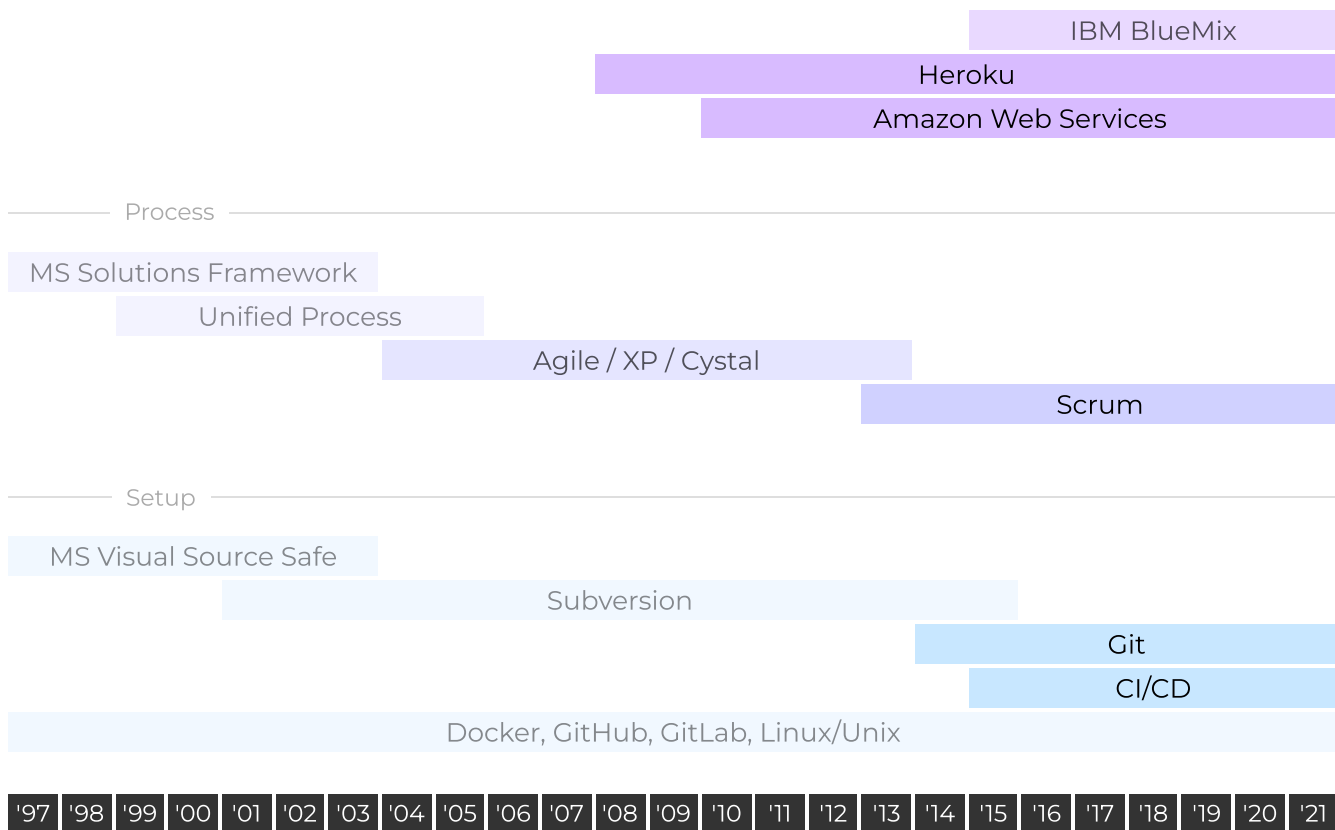|	
2019 Oct — 2021 Dec	Co-Founder & CTO at [THIRD CIRCLE](#) (Thailand) (Startup) Designed, Architected & Implemented a Peer-to-Peer Match-Making Financing Platform for Small Loans. Based on backing assets such as unpaid invoices and other non-tangible assets, Loaners and Lenders were matched based on their Profile and Preferences. Relying Heavily on BlockChain and Smart Contracts, we ran a triple redundancy setup with HyperLedger Fabric between IBM, Amazon and Microsoft Clouds.
2017 Sep — 2019 Oct	Co-Founder & CTO at [POWERDRIVE.IO](#) (Thailand) (Startup) Designed, Architected & Implemented the world's first real-time General Aviation Booking Engine (Private and Business Air Charter). Applying Machine Learning (TensorFlow), Big Data in conjunction with latest version of languages and integration methods, we achieved the ability to calculate exact quotations in realtime for even the most complex missions. Applied the Platform through [Thai Aerospace Services](#), [Pacific Aerospace Services](#) and [Jefferson Waterman International Sky Division](#).
2016 Jun — 2018 Jul	Station Manager at [Thai Aerospace Services](#) (Singapore) Plan, Project and Manage the Operations and Execution of the Aviation Operations for HondaJet and Gulfstream Operated by TAS.
2014 Apr — 2017 Sep	Lead Engineer at [Singapore Technologies, Electronics & Engineering, SatCom Division](#) (Singapore) Design, Architect & be Lead Developer on the Next Generation of Management Platform for Sub-Orbital Communication Satellites for both Civilian & Military Applications.
2013 Oct — 2014 Jan	Co-Founder, Software Architect at [WeDoCode](#) (Singapore) (Startup) Put together a team of 6 brilliant people (5 developers, 1 sales consultant) and built an online edutainment platform for children in Singapore. Topics were such as putting the fun into the Periodic Table, Simple and Complex Math, Linguistics, etc. We exited quickly after launch through acquisition.

2011 Sep — 2013 Oct	Chief Technology Officer (CTO) at [Scope Secure](#) (Malaysia) Advanced Technology Projects for the Malaysian Ministry of Defense and the Petrochemical Industry. Security Systems for Military Vehicles, Perimeter Security for Oil Refineries, Vessel Tracking & Incident Monitoring in the Malacca Strait.
2009 Oct — 2011 Aug	Chief Technology Officer (CTO) at [Scope Consult](#) (Malaysia) Advanced Technology Projects for the Malaysian Ministry of Health. Patient Identification using Iris Scanner to ensure the right patient gets the right medicine. This included assembling 80 vehicle-based field clinics for Methadone distribution in the Malaysian Rural Areas. Provided the Government with a Counterfeit-Prevention System to ensure all Medicine was Original. Architected and Orchestrated the implementation of a Hub for Hospital Maternity Wards allowing the Hospitals to combine equipment from any manufacturer.
2004 Sep — 2009 Oct	Lead Developer & Senior Software Architect at [Hello Group](#) (Denmark) (Simultaneously with BSc/MSc Studies) Industry Leading Full-Service Agency. Projects included: The Danish Ministry of Energy, MyHome, the Intelligent Home, an energy automation system for private households. F.L.Smith, Cement Factory Simulator, a training platform for Cement Factory Operators. Novo Nordisk, The Diabetes Barometer, a world encyclopedia for Diabetes designed for Health Care Professionals.
2002 Aug — 2004 Sep	Co-Founder, Full Stack Developer at [Bluefish](#) (Denmark) (Startup) Digital Agency in Copenhagen.
1997 July — 2002 Sep	Freelance developer

Tech timeline

I am a full stack developer and a skilled software architect. I lean towards Microsoft technology - not least since they open sourced much of the .NET platform.

I believe requirements should - most often - come before technology, but at present, the concepts that impresses me the most is Event-Driven Cloud-Based Architectures, Micro-Services and Micro-Frontends combined with Internet of Things (IoT).

Client

PhoneGap	Qt	Ionic
Adobe Flex	AngularJS	Angular
		ReactJS
		VueJS

Server

ASP	ASP.NET
	NodeJS
	IBM Strongloop

Code

VBScript	C#
Java	
JavaScript	TypeScript
CSS	Less
	Bootstrap	Sass/Scss
		Material UI Lib
		TailwindCSS
HTML	HTML5

C++, Pascal, Perl, ActionScript, NativeScript, Python, F#, VB.NET

Data

MS SQL Server	MySQL
Oracle	PostgreSQL
	MongoDB
	Neo4J
	Redis

Cloud

Google Cloud Platform
Microsoft Azure

IBM BlueMix

Heroku

Amazon Web Services

MS Solutions Framework

Unified Process

Agile / XP / Cystal

Scrum

MS Visual Source Safe

Subversion

Git

CI/CD

Docker, GitHub, GitLab, Linux/Unix

'97 '98 '99 '00 '01 '02 '03 '04 '05 '06 '07 '08 '09 '10 '11 '12 '13 '14 '15 '16 '17 '18 '19 '20 '21

Training and education

2006	MSc in Computer Science
	Aalborg University
	Achieved in parallel with full-time job by applying ongoing paid projects to academic projects.

2005	BSc in Computer Science
	Aalborg University
	Achieved in parallel with full-time job by applying ongoing paid projects to academic projects.

2005	Adobe Certified Expert
	Adobe Flex

2005	Microsoft Certified Professional
	C# / .NET, Windows development

2004	Academy Profession Degree in Computer Science
	Lyngby Business Academy, Copenhagen
	Honors for Diploma on .NET integration in Microsoft Office

2000	Academy Profession Degree in Multi Media Design
	Northern Business Academy, Copenhagen

1994	Higher Preparatory Exam
	Rødovre Gymnasium, Copenhagen

1992	Windsor High School, Connecticut, USA

1990	Espelunden Skole, Copenhagen

Languages: Danish, English, German

Publications

2011	[Flash Catalyst Unleashed](#)
	SAMS Publishing / Addison Wesley