

1.125 Software Engine

Cloud Computation		
SES #	Date	TOPICS
LECT 1	Tue, Sep 1	Introduction & Course Overview
Lab		ES6 JavaScript Practice Coding
LECT 2	Thu, Sep 3	Digital Transformation
LECT 3	Tue, Sep 8	Lean Startup and Agile
LECT 4	Thu, Sep 10	REST and Routes on Web Servers
LECT 5	Tue, Sep 15	API Based Architectures
Containers and Data Stores		
SES #		TOPICS
LECT 6	Thu, Sep 17	Container and Cloud
LECT 7	Tue, Sep 22	Package Management - NPM
LECT 8	Tue, Sep 29	Data Stores
LECT 9	Thu, Oct 1	Data Services
LECT 10	Tue, Oct 6	GE Case Study
Blockchain & Machine Learning (ML)		
SES #		TOPICS
LECT 11	Thu, Oct 8	Collaboration - GIT, CI, CD

	Tue, Oct 13	No Class
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LECT 12	Thu, Oct 15	Hashes Merkle Trees
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LECT 13	Tue, Oct 20	ML I
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LECT 14	Thu, Oct 22	ML II
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Full Stack Architecting - UI, Web Servers, DB

SES #	TOPICS	
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LECT 15	Tue, Oct 27	Project
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LECT 16	Thu, Oct 29	Project
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LECT 17	Tue, Nov 3	Project
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LECT 18	Thu, Nov 5	Project
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HW09 is Report 2 on Kogs

Project

SES #	TOPICS	
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QUIZ	Tue, Nov 10	Project
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LECT 19	Sun, Nov 12	Project
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LECT 20	Tue, Nov 17	Project
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LECT 21	Thu, Nov 19	Project Presentations
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PROJ 01	Tue, Nov 28	
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PROJ 02	Thu, Nov 30	
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PROJ 04	Tue, Dec 5	
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PRESENT	Thu, Dec 7	
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Engineering & Architecting

HOMEWORK	
HOMEWORK	Comments
HW00: Install VSCode and Git	

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HW01: AWS VM - HTTP Server	
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HW01 DUE, HW02 OUT	
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HW02: REST API	
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HW02 DUE, HW03 OUT	
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HOMEWORK	
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HOMEWORK	
HW03: Touching the Cloud	

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HW03 DUE, HW04 OUT	
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HW04: Three Tier App	
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HW 04 DUE	
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No HW this week	
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HOMEWORK	
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HOMEWORK	

HW05 OUT	
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HW05 DUE, HW06 OUT	
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HW06: ML & Project Proposal	
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HW06 DUE	
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HOMEWORK	
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HW07: Project Deliverable 01	
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	Project - Phase 1
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HW08: Project Deliverable 02	
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	Project - Phase 2
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HOMEWORK	
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HW09: Project Deliverable 03	
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	Project - Phase 3
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HW05: No HW this week	
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	Project - Phase 4
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HW10 DUE	Project - Presentations
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Term Project Due	
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