Atos Ready Internship

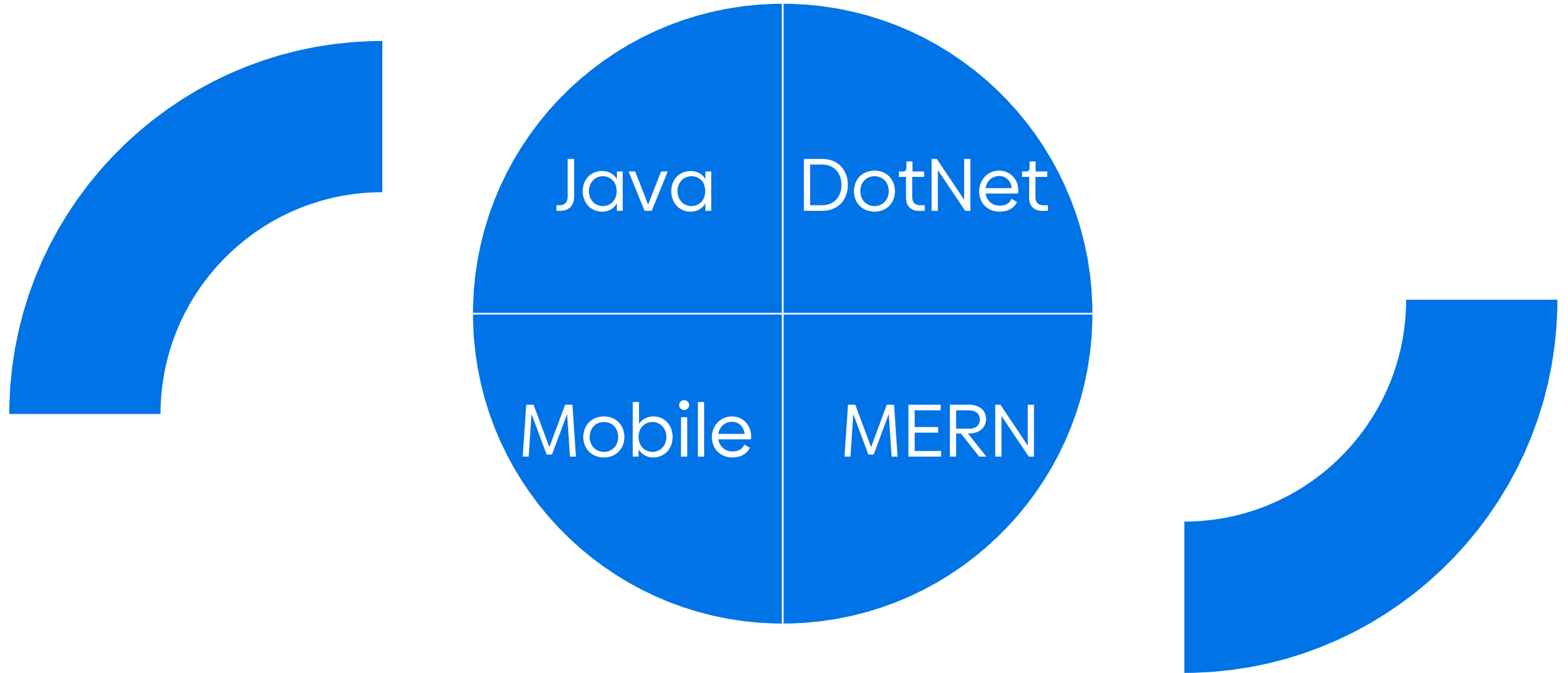## Development
Full-Stack

July – September 2024

Organizers :
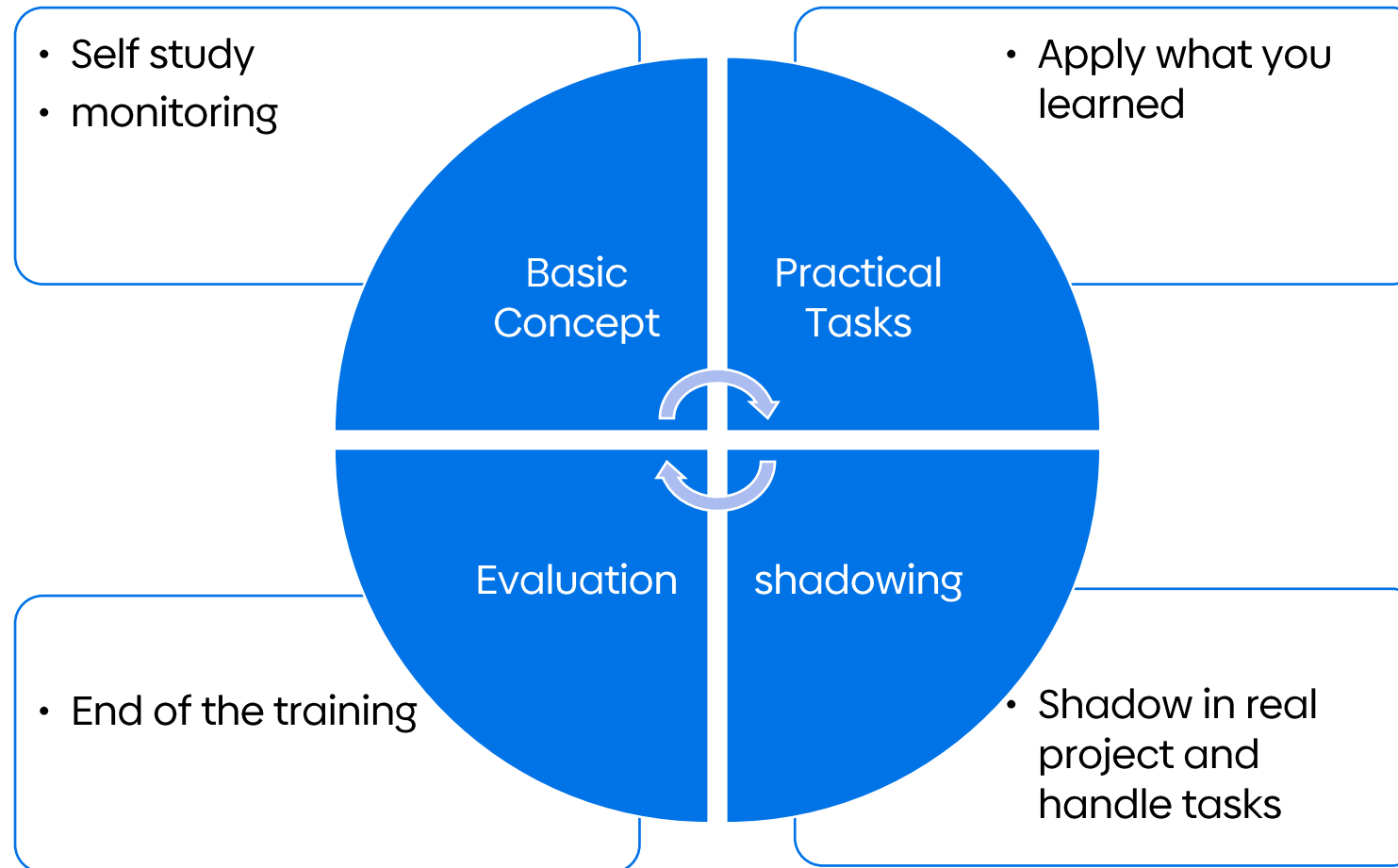
- Ibrahim Osama
- Dina Saleh

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Full-Stack Development Tracks
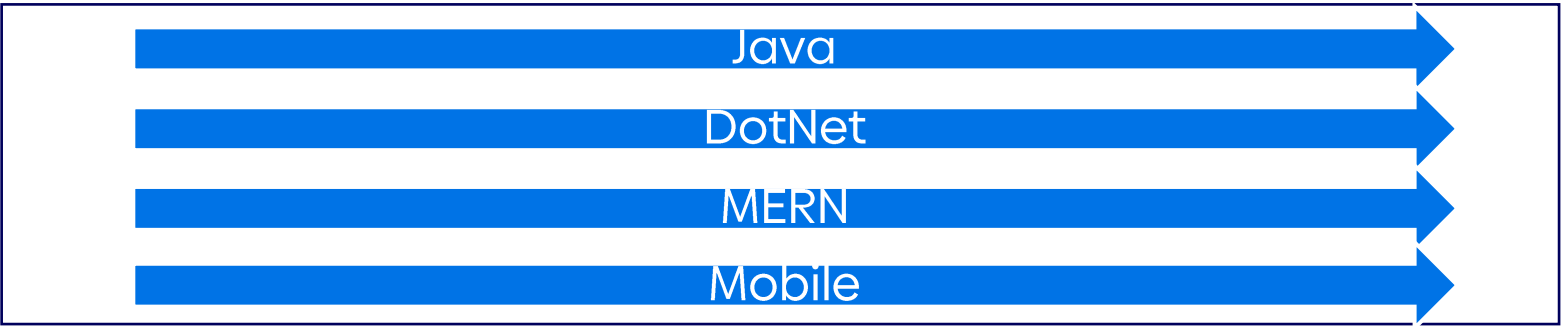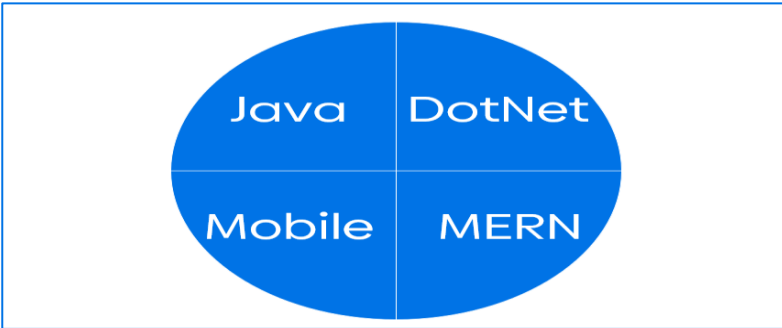
Atos Ready Internship .. July – Sept 2024

Atos Ready Internship .. Development (Full-Stack)

Atos Ready Internship .. July – Sept 2024 .. Training Process

- Self study
- monitoring

- Apply what you learned

Basic Concept

Practical Tasks

Evaluation

shadowing

- End of the training

- Shadow in real project and handle tasks

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Atos Ready Internship .. Development (Full-Stack)

Atos Ready Internship .. July – Sept 2024 .. Plan

Java | DotNet
Mobile | MERN

Java

DotNet

MERN

Mobile

Level 1 - Self-Study & Mentorship

- Duration: July to August
- Plan:
  - Self Study
    - Focus on concepts and core technologies basics
    - Explore relevant frameworks
  - Mentorship Discussion with your Technical Mentors (2 hours/week)

Level 2 – Practical Tasks& Mentorship

- Duration: August to September
- Plan:
  - 2-3 Medium Tasks
  - 2-3 Advanced Tasks
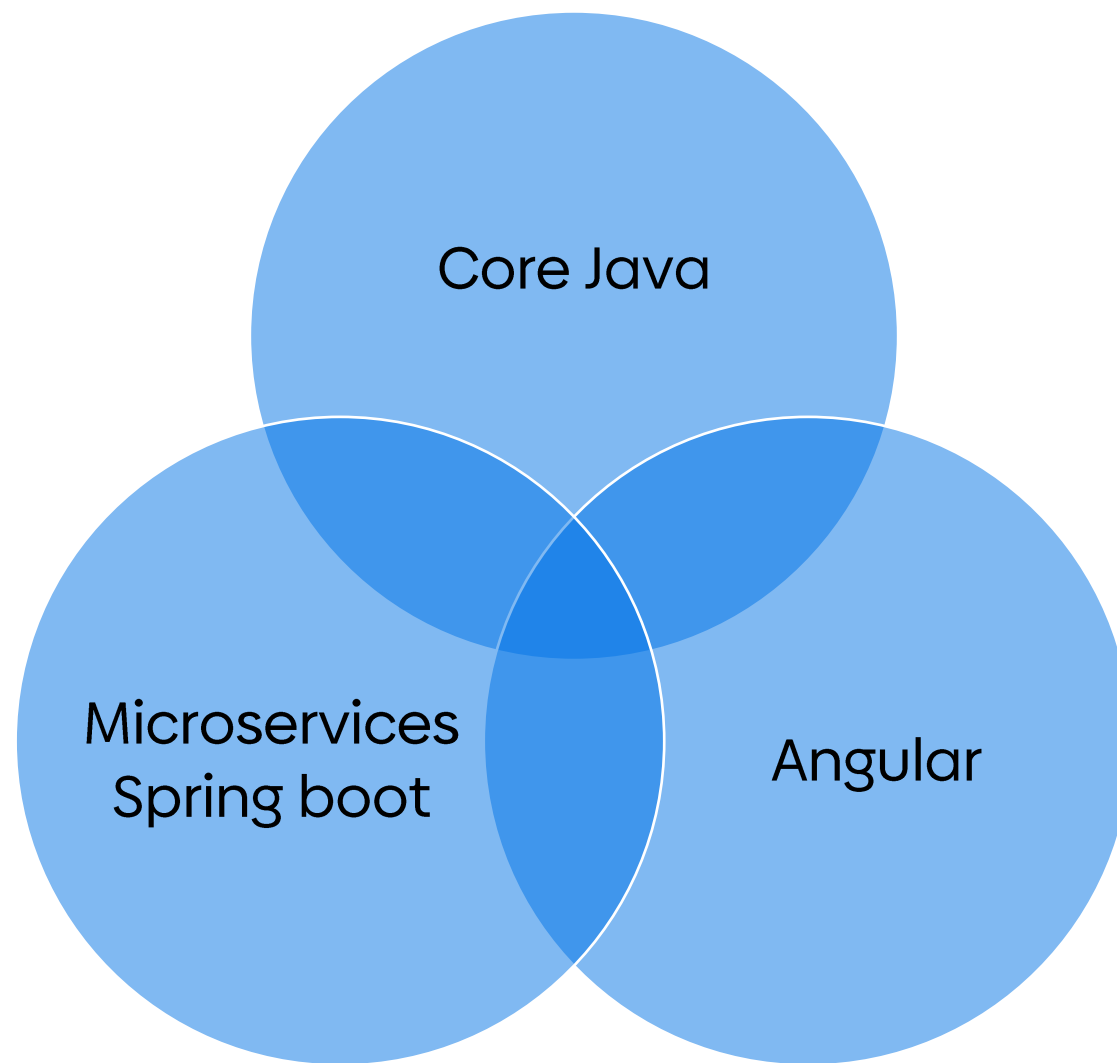 - Mentorship Discussion with your Technical Mentors (2 hours/week)

Open Discussion Session Bi-weekly

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01

Java Full-Stack Internship Curriculum

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Java Full-Stack Internship Curriculum

Atos Ready Internship .. July – Sept 2024

Java Full-Stack Internship Curriculum

Level 1 - Self-Study & Mentorship

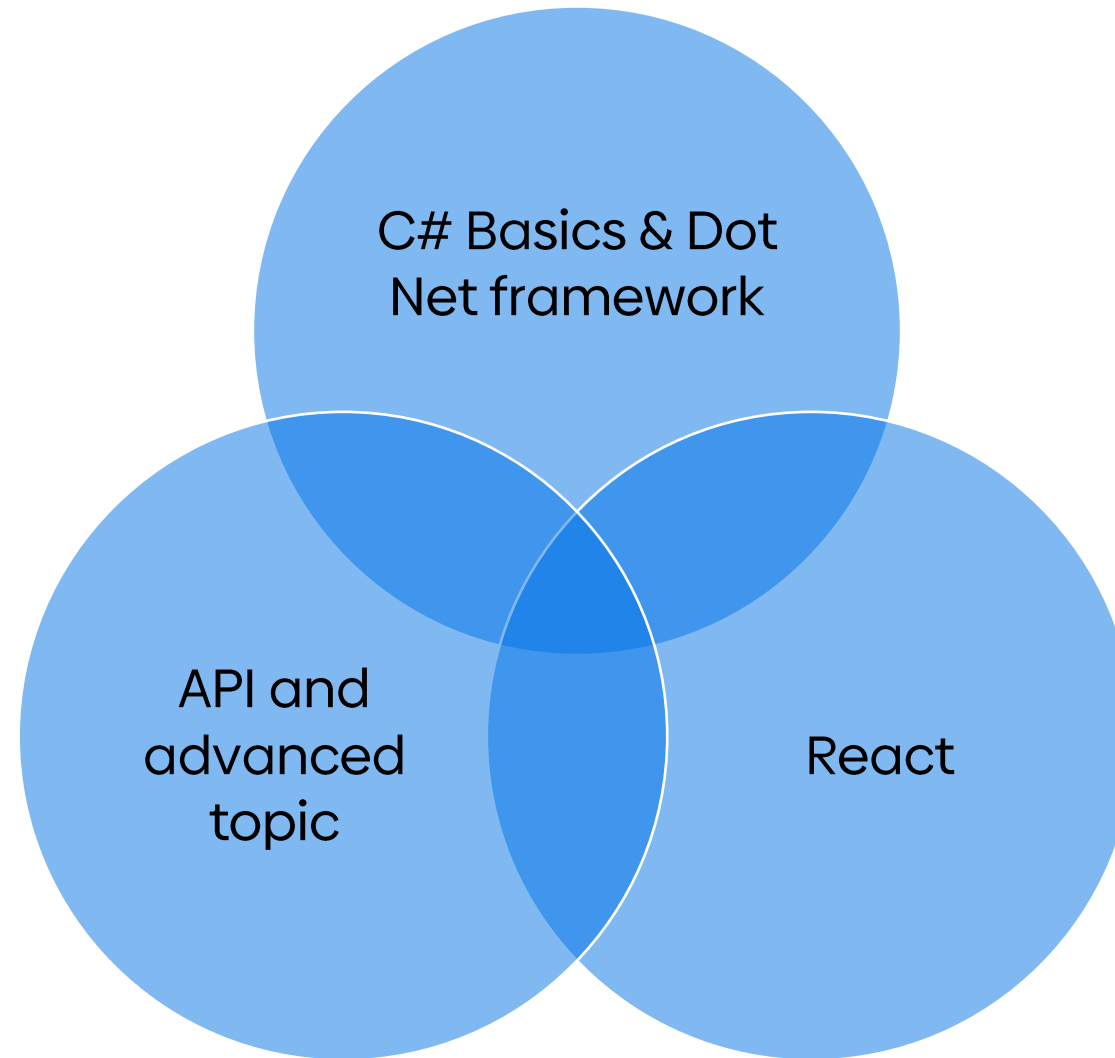| Category	Training	URL	Duration (Hours)	Practice
Core Java & OOP	• Clean Code • Object-Oriented Design • SOLID Principles	https://atos.percipio.com/channels/495fa570-e1a4-11e6-91a7-0242c0a80704/view/4a41c890-161c-11e7-bf96-7fcd66e560cd?tab=WATCH https://atos.percipio.com/channels/495fa570-e1a4-11e6-91a7-0242c0a80704/view/495ff390-e1a4-11e6-91a7-0242c0a80704?tab=WATCH https://maharatech.gov.eg/course/view.php?id=1600	6 (1.5 day)	Within the Course
	• Java Programming	https://atos.percipio.com/journey/717919cf-1692-4bcd-b1ab-db5304aedcad	66 (8 Day)	Within the Course

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Java Full-Stack Internship Curriculum
Level 1 - Self-Study & Mentorship

Category	Training	Link	Duration (Hours)	Practice
Microservices	Spring boot & spring cloud	https://www.youtube.com/watch?v=_thI-4AF7M8 https://atos.percipio.com/channels/8ce89cb5-d85d-42a2-b0f1-a7468d923640/view/a80213ca-73ef-4708-9ef1-ff8a91a31bf5?tab=WATCH	22 hrs (4 days)	Within the Course
Front End	Angular	https://www.youtube.com/watch?v=CGLdH5ORX-Y	24(3 days)	Within the Tasks
No SQL Databases	No SQL DB Concept	https://atos.percipio.com/channels/204b0760-e19a-11e6-93f3-0242c0a80605/view/204b2e70-e19a-11e6-93f3-0242c0a80605?tab=WATCH	7 hrs (1 day)	Within the Course
	Spring boot with Mongo DB	https://www.youtube.com/watch?v=2jykIvIKMeg (spring data) https://www.youtube.com/watch?v=0Wh_37CfCiY (Mongo template)	4 hrs (1 day)	Within the Tasks

DotNet Full-Stack Training Curriculum

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DotNet Full-Stack Internship Curriculum

Atos Ready Internship .. July – Sept 2024

DotNet Full-Stack Internship Curriculum

Level 1 - Self-Study & Mentorship

Category	Training	URL	Duration (Hours)	Practice
Solid principle & OOP	Object-Oriented Design &	https://atos.percipio.com/channels/495fa570-e1a4-11e6-91a7-0242c0a80704/view/4a41c890-161c-11e7-bf96-7fcd66e560cd?tab=WATCH	1 day	Within the Course
	SOLID Principles	https://atos.percipio.com/channels/495fa570-e1a4-11e6-91a7-0242c0a80704/view/495ff390-e1a4-11e6-91a7-0242c0a80704?tab=WATCH	1 day	Within the Course

DotNet Full-Stack Internship Curriculum

Level 1 - Self-Study & Mentorship

Category	Training	Link	Duration (Hours)	Practice
Back End	C# Basics	https://docs.microsoft.com/en-us/learn/paths/csharp-first-steps/ - https://learn.microsoft.com/en-us/training/paths/get-started-c-sharp-part-2/ https://learn.microsoft.com/en-us/training/paths/get-started-c-sharp-part-4/	7 days	Within the Course
	Build .NET applications	https://learn.microsoft.com/en-us/training/paths/build-dotnet-applications-csharp/	(3 days)	Within the Course

DotNet Full-Stack Internship Curriculum
Level 1 - Self-Study & Mentorship

Category	Training	Link	Duration (Hours)	Practice
Back End	Entity framework	https://learn.microsoft.com/en-us/training/modules/persist-data-ef-core/	7 days	Within the Course
	API'S	Improve the developer experience of an API with Swagger documentation	(3 days)	Within the Course
	Swagger	Create web apps and services with ASP.NET Core, minimal API, and .NET 6	1 day	Within the Course
	secure API	Secure an ASP.NET Core web app with the Identity framework	1 day	Within the Course
	SignalR	Introduction to ASP.NET Core SignalR	1 day	Within the Course
		Replace client-side polling with ASP.NET Core SignalR	1 day	Within the Course
	Messaging	https://www.youtube.com/watch?v=bfVddTJNiAw	3 day	In a separate Tasks

DotNet Full-Stack Internship Curriculum

Level 1 - Self-Study & Mentorship

Categry	Training	Link	Duration (Hours)	Practice
Front END	React	https://www.youtube.com/watch?v=IPiwZhlaeMA	(3 day)	In separate Task

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03

MERN Stack
Training Curriculum

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MERN Stack Internship Curriculum

Level 1 - Self-Study & Mentorship

- Prerequisite for MERN stack
  - HTML
  - CSS
  - JavaScript
  - Database knowledge

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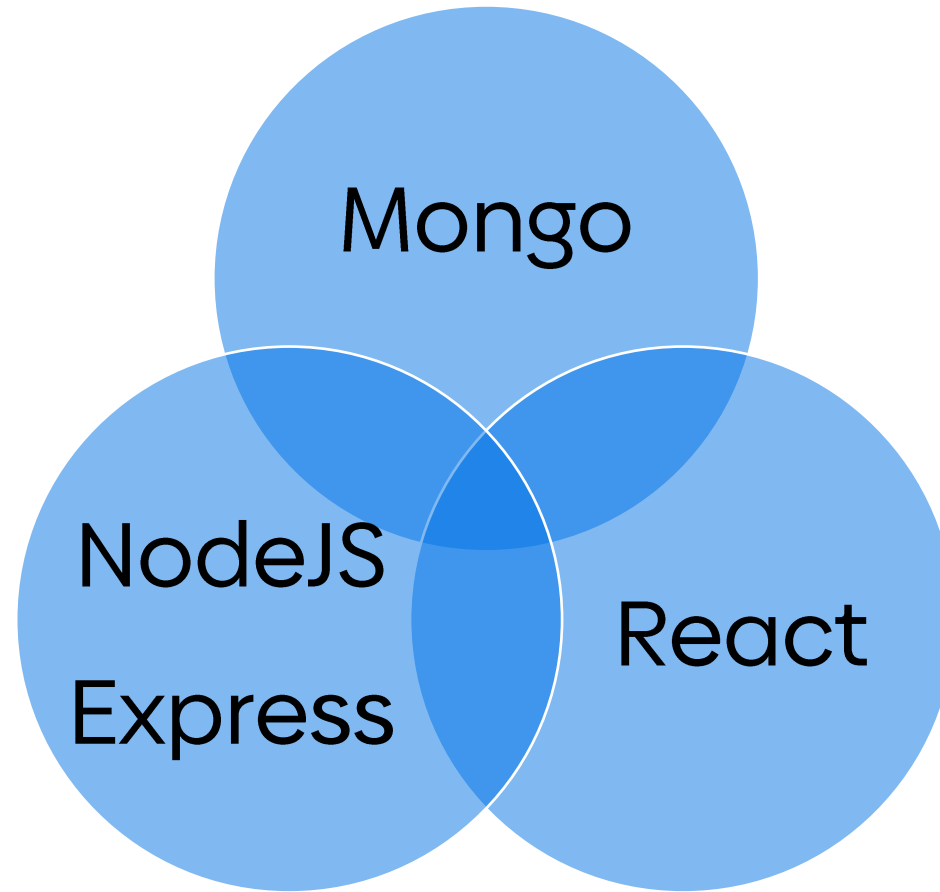# MERN Stack Internship Curriculum
Level 1 - Self-Study & Mentorship

- Development Plan

MERN Stack Internship Curriculum

Level 1 - Self-Study & Mentorship

- Development Plan

MERN Stack Internship Curriculum

Level 1 - Self-Study & Mentorship

Category	Training	Link	Duration (Hours)	Practice
Core JavaScript & OOP	• Clean Code • Object-Oriented Design • SOLID Principles	https://atos.percipio.com/channels/495fa570-e1a4-11e6-91a7-0242c0a80704/view/4a41c890-161c-11e7-bf96-7fcd66e560cd?tab=WATCH https://atos.percipio.com/channels/495fa570-e1a4-11e6-91a7-0242c0a80704/view/495ff390-e1a4-11e6-91a7-0242c0a80704?tab=WATCH https://maharatech.gov.eg/course/view.php?id=1600	2 (1.5 day)	Within the Course
	• Java script	https://www.youtube.com/watch?v=jS4aFq5-91M	24 hr (3 day)	Within the Course

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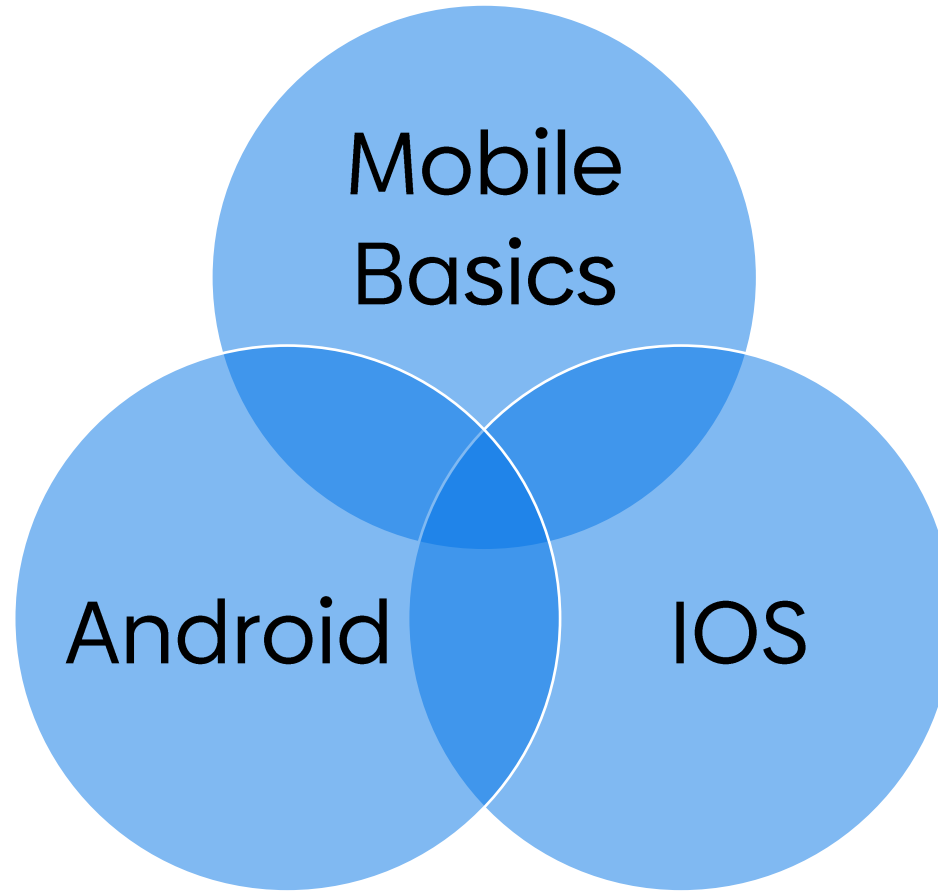# MERN Stack Internship Curriculum
Level 1 - Self-Study & Mentorship

Category	Training	Link	Duration (Hours)	Practice
No SQL Databases	No SQL DB Concept	https://atos.percipio.com/channels/204b0760-e19a-11e6-93f3-0242c0a80605/view/204b2e70-e19a-11e6-93f3-0242c0a80605?tab=WATCH (first section)	1.5 hrs	Within the Course
		https://maharatech.gov.eg/course/view.php?id=975	2 hrs	Within the Course
Backend	Node js	https://maharatech.gov.eg/course/view.php?id=1438	24 hrs (3 days)	Within the Course
Front End	React & Node & Mongo	https://maharatech.gov.eg/course/view.php?id=790	24 hrs (3 days)	Within the Course

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04

Mobile Track
Training Curriculum

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Mobile Track Training Curriculum
Level 1 - Self-Study & Mentorship

Mobile (Android) Stack Internship Curriculum
Level 1 - Self-Study & Mentorship

Category	Training	URL	Duration (Hours)	Practice
Core Java & OOP	• Clean Code • Object-Oriented Design • SOLID Principles	https://atos.percipio.com/channels/495fa570-e1a4-11e6-91a7-0242c0a80704/view/4a41c890-161c-11e7-bf96-7fcd66e560cd?tab=WATCH https://atos.percipio.com/channels/495fa570-e1a4-11e6-91a7-0242c0a80704/view/495ff390-e1a4-11e6-91a7-0242c0a80704?tab=WATCH https://maharatech.gov.eg/course/view.php?id=1600	6 (1.5 day)	Within the Course
	• Java Programming	https://atos.percipio.com/journey/717919cf-1692-4bcd-b1ab-db5304aedcad	66 (8 Day)	Within the Course

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Mobile (Android) Stack Internship Curriculum
Level 1 - Self-Study & Mentorship

Category	Training	URL	Duration (Hours)	Practice
Kotlin	Kotlin	https://www.youtube.com/watch?v=QsrQV0wXh2E&list=PLQkwcJG4YTCRSQikwhtoApYs9ij_Hc5Z9	1 day	In a separate Tasks
	Android with XML	https://www.youtube.com/watch?v=3Ri9PPsGCEg&list=PLQkwcJG4YTCTq1raTb5iMuxnEB06J1VHX	1 day	In a separate Tasks
	Coroutines	https://www.youtube.com/watch?v=ShNhJ3wMpvQ&list=PLQkwcJG4YTCQcFEPuYGuv54nYai_lwil_	1 hour	In a separate Tasks
	JetPack Compose	https://www.youtube.com/watch?v=cDabx3SjuOY&list=PLQkwcJG4YTCSpJ2NLhDTHhi6XBNfk9WiC	1.5 days	In a separate Tasks
	Modern Android basics	https://www.youtube.com/watch?v=SJw3Nu_h8kk&list=PLQkwcJG4YTCSVDhww92llY3CAnc_vUhsm3	3 hours	In a separate Tasks
	TDD unit testing	https://www.youtube.com/playlist?list=PLlsmxlJgn1HJHqKQW7kdkpzQlmWXQxkUs	1 hour	In a separate Tasks
	Android testing	https://www.youtube.com/watch?v=EkfVL5vCDmo&list=PLQkwcJG4YTCSYJ13G4kVIJ10X5zisB2Lq	2 hours	In a separate Tasks

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Mobile (IOS) Stack Internship Curriculum
Level 1 - Self-Study & Mentorship

Category	Training	URL	Duration (Hours)	Practice
Core Java & OOP	• Clean Code • Object-Oriented Design • SOLID Principles	https://atos.percipio.com/channels/495fa570-e1a4-11e6-91a7-0242c0a80704/view/4a41c890-161c-11e7-bf96-7fcd66e560cd?tab=WATCH https://atos.percipio.com/channels/495fa570-e1a4-11e6-91a7-0242c0a80704/view/495ff390-e1a4-11e6-91a7-0242c0a80704?tab=WATCH https://maharatech.gov.eg/course/view.php?id=1600	6 (1.5 day)	Within the Course
	• Swift	https://www.youtube.com/playlist?list=PL5PR3UyfTWvfacnfUsvNcxIiKIgidNRoW	4 Hours	Within the Course

Meet Your Mentors

Atos

Our Heroes

Java

Amr Saad

Meran Sharawy

Mohamed Romih

Mustafa Gaber

Shaimaa Kamal

DotNet

Abanoub Mounir

Adel Tarek

Ahmed Elhendy

Mohamed Kaoud

Our Heroes

MERN

Mostafa Mahmoud

Mohamed Moataz

Mobile

Karim Azmi

Mohamed Mosaad

Future Stars Allocation

Inspired by :

PARiS 2024

Atos

Teams

Basketball Team

DotNet Full-Stack Track

Adel Tarek

Mohamed Kaoud

Name	Email
Ahmed Hassan Ahmed foad	N/A
Heba Elsayed Mohamed	heba.mohamed@atos.net
Mahmoud Badr	mahmoud.badr@atos.net

Teams
Dot Net Full-Stack Track

Cycling Team

DotNet Full-Stack Track

Abanoub Mounir

Mohamed Kaoud

Name	Email
Menna Mabrouk	menna.mabrouk@atos.net
Mostafa Ali	mostafa.ali@atos.net
Mustafa Sayed Elsaied	mustafa.sayed@atos.net

Teams

Fencing Team
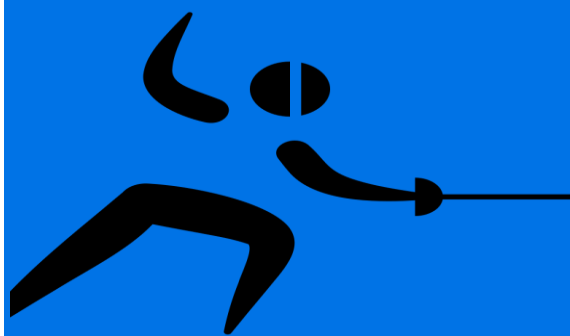
Java Full-Stack Track
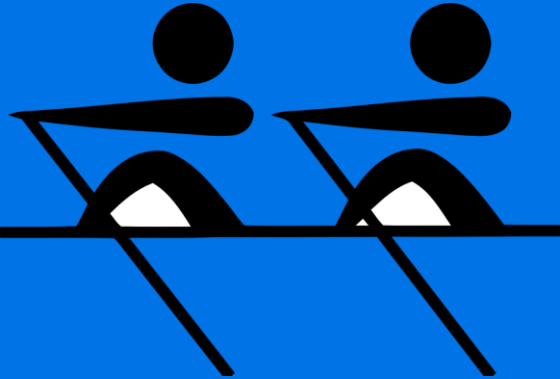
Meran Sharawy

Name	Email
Abdelnasr Abdelrabo	abdenasser.abdrabbo@atos.net
Alaa Hisham Ismail	alaa.hisham@atos.net
Aya Walid	aya.walid@atos.net
Mariam Elkondakly	mariam.elkondakly@atos.net

PARIS 2024

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Teams
Java Full-Stack Track

Rowing Team

Java Full-Stack Track
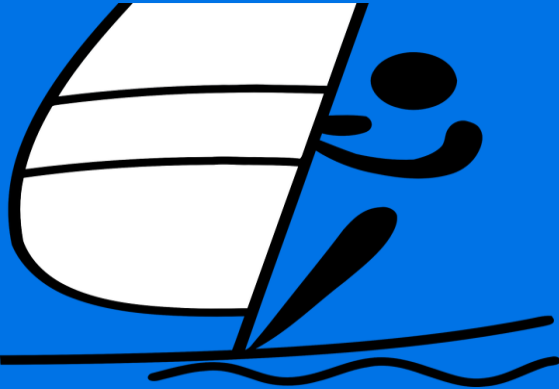
Amr Saad

Name	Email
Ahmed Ali	ahmed.alimahmoud@atos.net
Hassan Reda	hassan.reda@atos.net
Kenzy Mostafa	kenzy.mostafa@atos.net
Mostafa Hussien	mostafa.hussesn@atos.net

Teams
Java Full-Stack Track

Sailing Team	**Java Full-Stack Track**

Mustafa Gaber

Name	Email
Jana Nazeer	jana.nazeer@atos.net
Karim Maximous	karim.maximous@atos.net
Lubna kudsi	lubna.kudis@atos.net
Seif Eldein Nassar	seif-eldin.diea@atos.net

Teams

Shooting Team
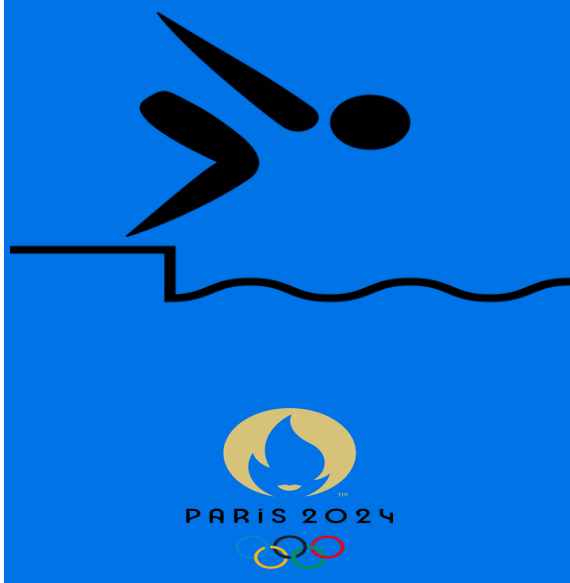

Java Full-Stack Track

Mohamed Romih

Shaimaa Kamal

Name	Email
Jana Gamal	jana.gamal@atos.net
Malak Mohamed	malak.soliman@atos.net
Michael Naguib	michael.naguib@atos.net
Passant Foad	passant.foad@atos.net
Seif Tarek	seif.tarek@atos.net
Ahmed Yehia	N/A

Teams

Swimming Team

PARIS 2024
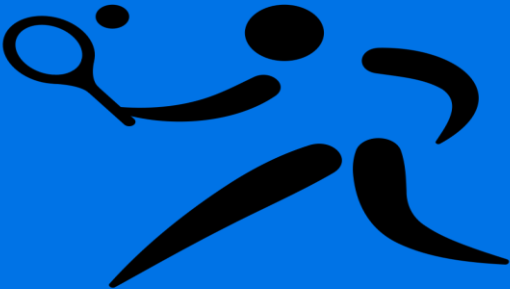
MERN Track

Mostafa Mahmoud

Name	Email
Ahmed Khaled Lafi	N/A
Ahmed Saad	ahmed.kader@atos.net
Julia John	N/A

Teams

Tennis Team

MERN Track

Mohamed Moataz

Name	Email
Abdelrahman Mahmoud	N/A
Ahmed Khaled Kasem	ahmed.kasem@atos.net
Mohmaed Hammad	N/A

Teams

Volleyball Team
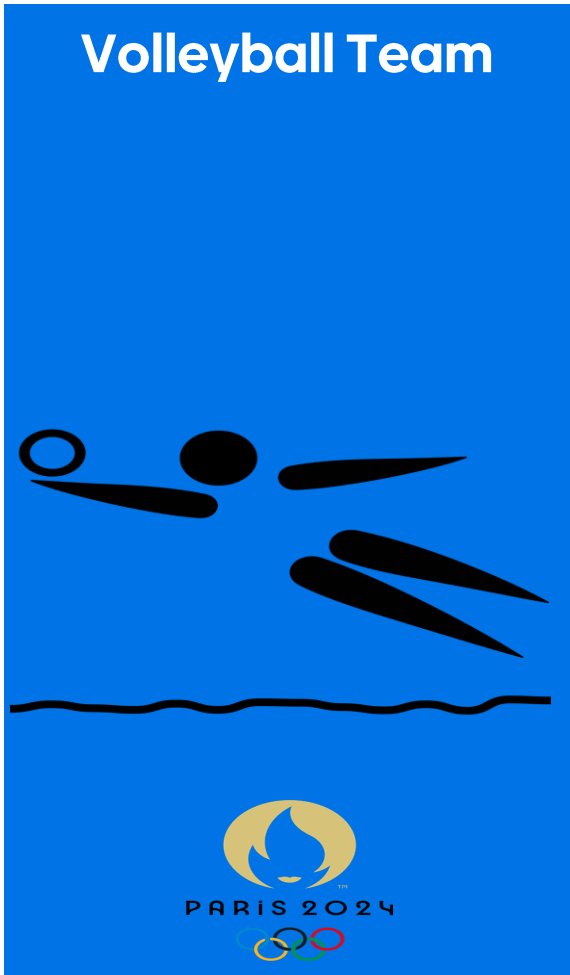
Mobile Android Track

Mohamed Mosaad

Name	Email
Fatma Elzahraa	fatma-elzahraa.abdelsattar@atos.net

Questions

"Luck is what happens when preparation meets opportunity."

Thank You!

AtoS