

Full Stack Open

`{() => fs}`

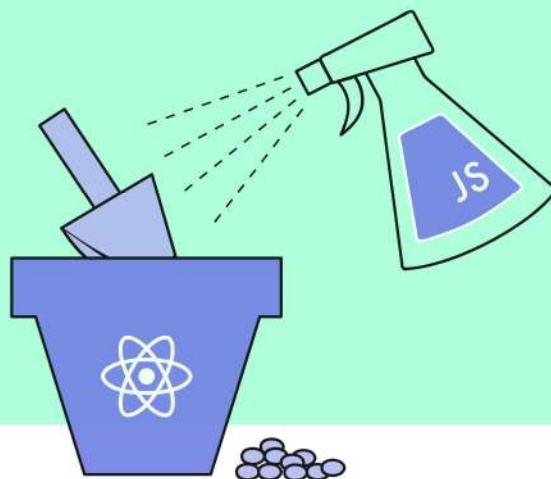
## CERTIFICATE OF COMPLETION

**SIMO TOIVANEN**

This is to certify that you have successfully completed the 7 ECTS online course with grade 5



**Matti Luukkainen**  
University lecturer, University of Helsinki



**Pasi Honkanen**  
COO, Houston Inc.

Full Stack Open

`{() => fs}`

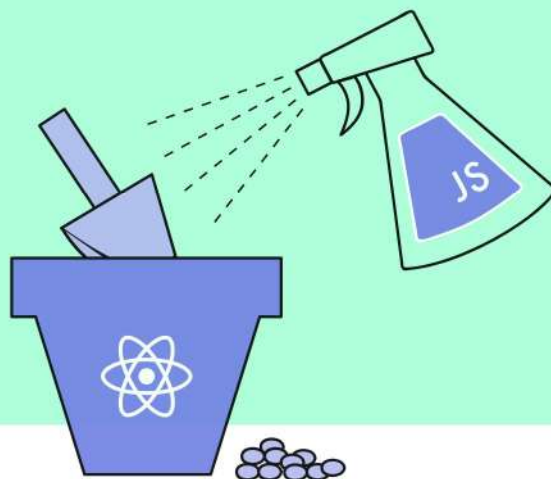
## CERTIFICATE OF COMPLETION

# SIMO TOIVANEN

Has successfully completed the course's GraphQL part in 1 ECTS credits



**Matti Luukkainen**  
University lecturer, University of Helsinki



**Pasi Honkanen**  
COO, Houston Inc.

{() => fs}

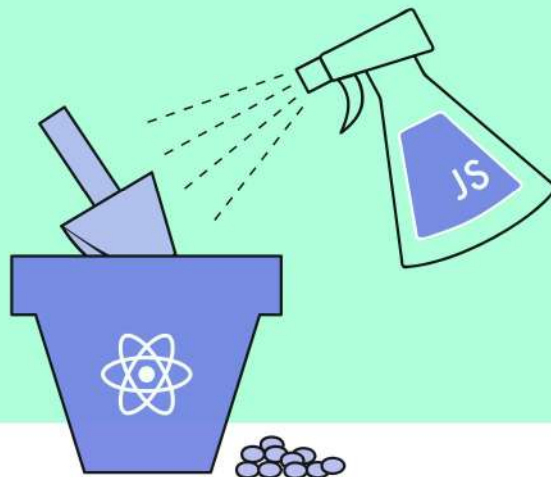
## CERTIFICATE OF COMPLETION

# SIMO TOIVANEN

Has successfully completed the course's TypeScript part in 1 ECTS credits



**Matti Luukkainen**  
University lecturer, University of Helsinki



**Pasi Honkanen**  
COO, Houston Inc.

Full Stack Open

`{() => fs}`

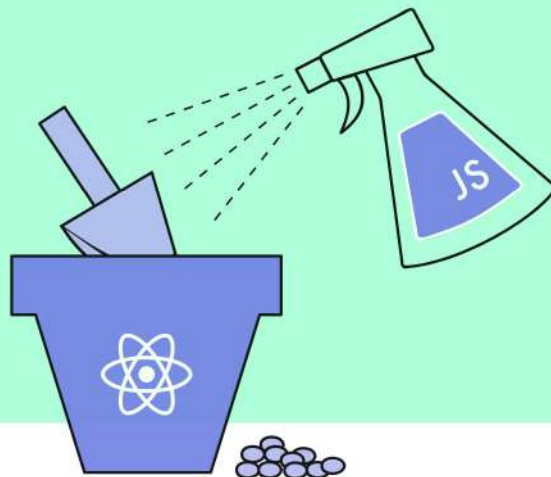
## CERTIFICATE OF COMPLETION

# SIMO TOIVANEN

Has successfully completed the course's React Native part in 2 ECTS credits



**Matti Luukkainen**  
University lecturer, University of Helsinki



**Pasi Honkanen**  
COO, Houston Inc.

{() => fs}

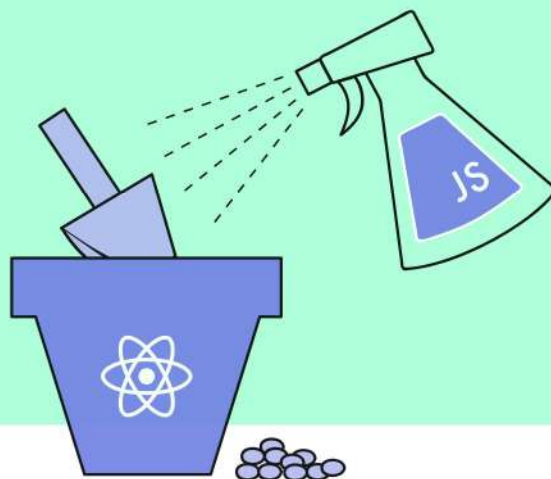
## CERTIFICATE OF COMPLETION

# SIMO TOIVANEN

Has successfully completed the course's CI/CD part in 1 ECTS credits



**Matti Luukkainen**  
University lecturer, University of Helsinki



**Pasi Honkanen**  
COO, Houston Inc.



Full Stack Open

`{() => fs}`

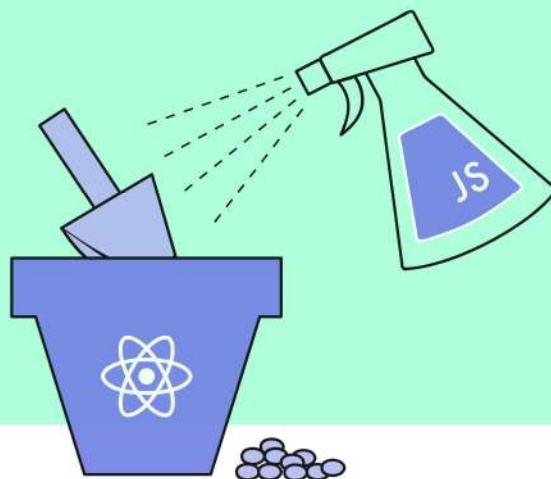
## CERTIFICATE OF COMPLETION

# SIMO TOIVANEN

Has successfully completed the course's Containers part in 1 ECTS credits

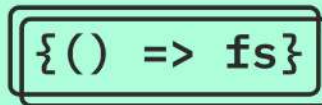


**Matti Luukkainen**  
University lecturer, University of Helsinki



**Pasi Honkanen**  
COO, Houston Inc.

Full Stack Open



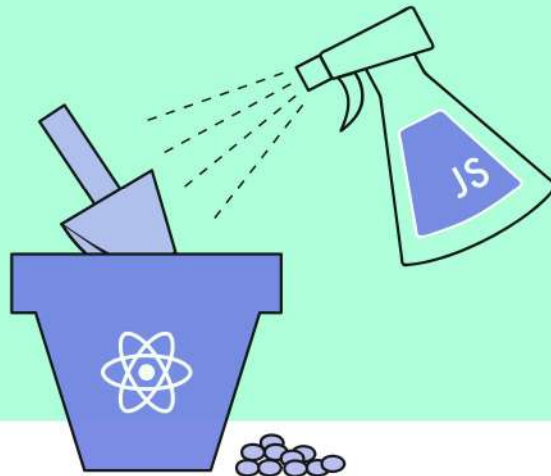
## CERTIFICATE OF COMPLETION

# SIMO TOIVANEN

Has successfully completed the course's Relational databases part in 1 ECTS credits



**Matti Luukkainen**  
University lecturer, University of Helsinki



**Pasi Honkanen**  
COO, Houston Inc.