



UNIVERSITY OF HELSINKI

HOUSTON

Full Stack Open

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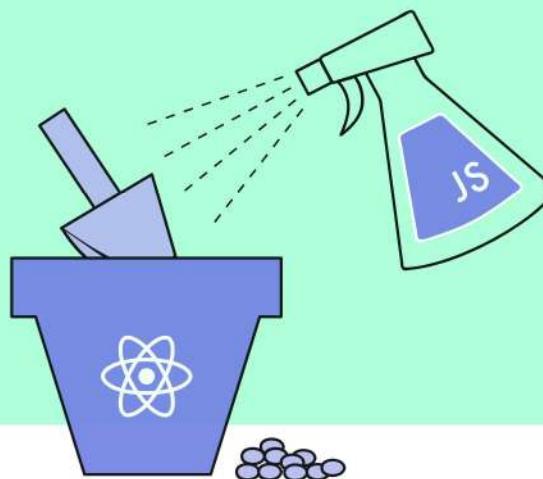
## CERTIFICATE OF COMPLETION

# SIMO TOIVANEN

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

**Matti Luukainen**

University lecturer, University of Helsinki



**Pasi Honkanen**

COO, Houston Inc.



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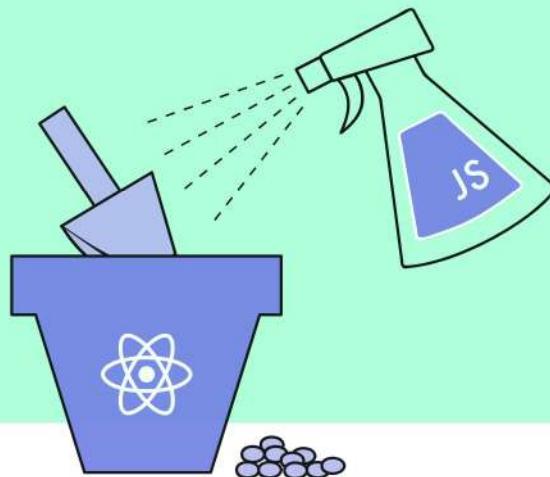
## CERTIFICATE OF COMPLETION

# SIMO TOIVANEN

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

Matti Luukainen

University lecturer, University of Helsinki



Pasi Honkanen

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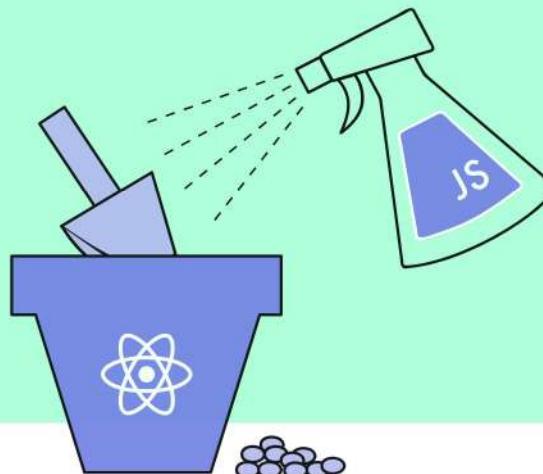
## CERTIFICATE OF COMPLETION

# SIMO TOIVANEN

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

**Matti Luukainen**

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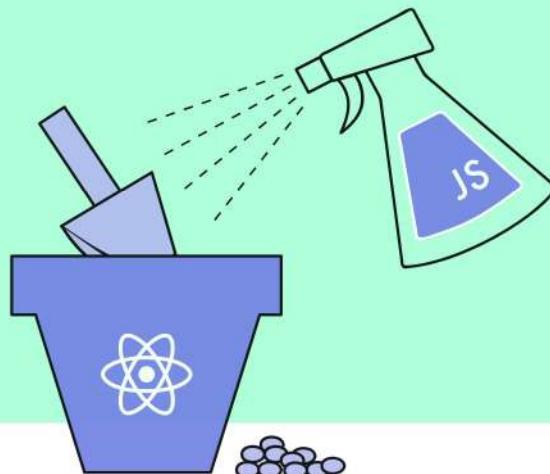
## CERTIFICATE OF COMPLETION

# SIMO TOIVANEN

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

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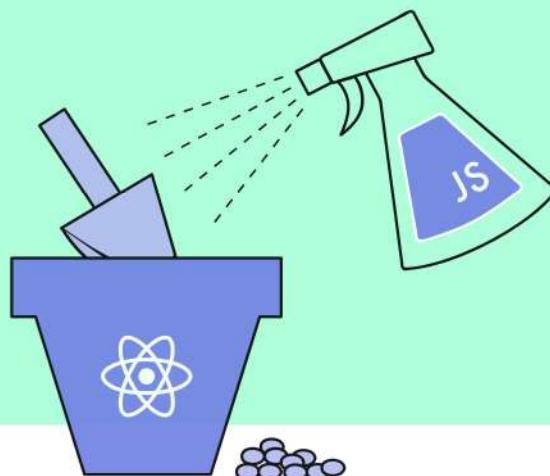
## CERTIFICATE OF COMPLETION

# SIMO TOIVANEN

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

Matti Luukainen

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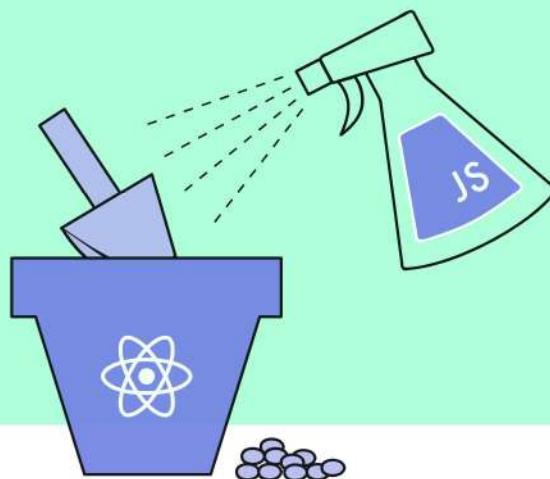
## CERTIFICATE OF COMPLETION

# SIMO TOIVANEN

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

Matti Luukainen

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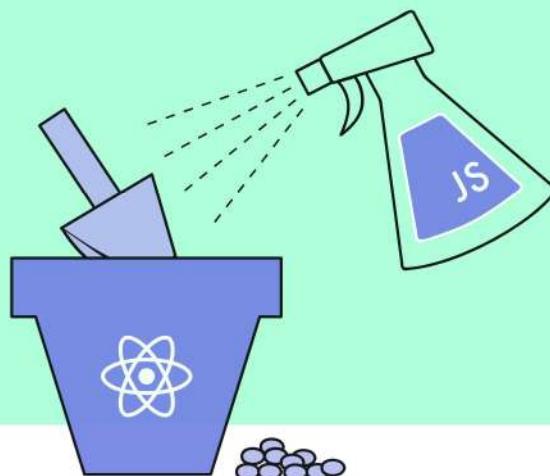
## CERTIFICATE OF COMPLETION

# SIMO TOIVANEN

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

Matti Luukainen

University lecturer, University of Helsinki



Pasi Honkanen

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