

Jesenska šola

BLOCKCHAIN, dApps & smart contracts

Kdaj:

17. 9. - 5. 10. 2018

Kje:

Inštitut za informatiko,
UM FERI

Pokrovitelj:



Partnerja:



Organizator:



Jesenska šola: Blockchain, dApps & smart contracts *Predstavitev decentralizirane aplikacije*

Avtorja: Primož Štukelj, Vid Keršič

Datum: 12. 10. 2018

Uvod

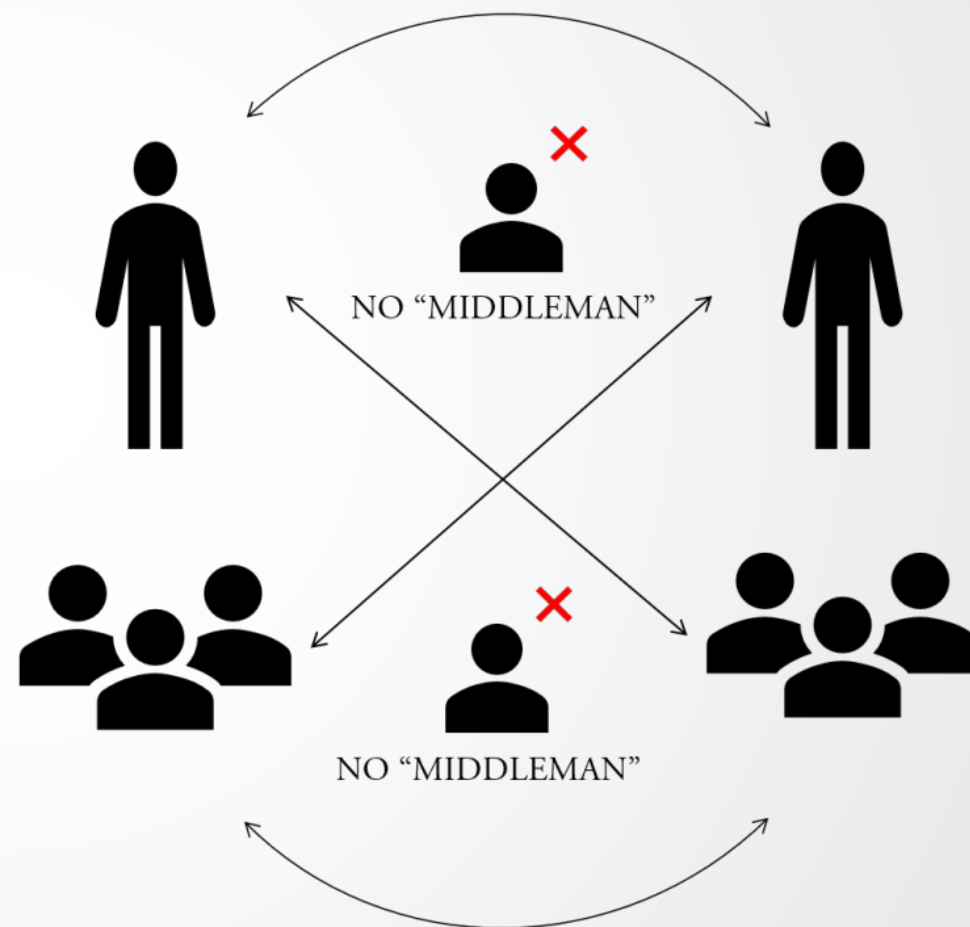
1. Prednosti tehnologije veriženja blokov.
2. Vloga pametne pogodbe in decentralizirane aplikacije.
3. Predstavitev najine rešitve.

Prednosti tehnologije veriženja blokov

- Največje prednosti (Matthew Hooper, IBM):
 - i. izboljšana sledljivost,
 - ii. povečana zmogljivost in večja hitrost,
 - iii. manjši stroški.
- Te prednosti tudi pri ECTA Platform.

Vloga pametne pogodbe in decentralizirane aplikacije

- Prenos denarja (žetonov),
- umetna inteligenca,
- odstranitev vmesnega človeka,
- ECTA SKILL žeton (token),
- decentralizirana aplikacija.



Slika 1: Odstranitev vmesnega človeka

Predstavitev najine decentralizirane aplikacije.

Ustvarjanje novega opravila

The screenshot shows the ECTA web application interface for creating a new task. The top navigation bar includes the ECTA logo, a search bar, and user information for Andy K. The left sidebar contains navigation links: Dashboard, News, User Profile, Inbox, New Task (highlighted), Tasks, Settings, and Sign out. The main content area displays the 'New Task' form with the following fields:

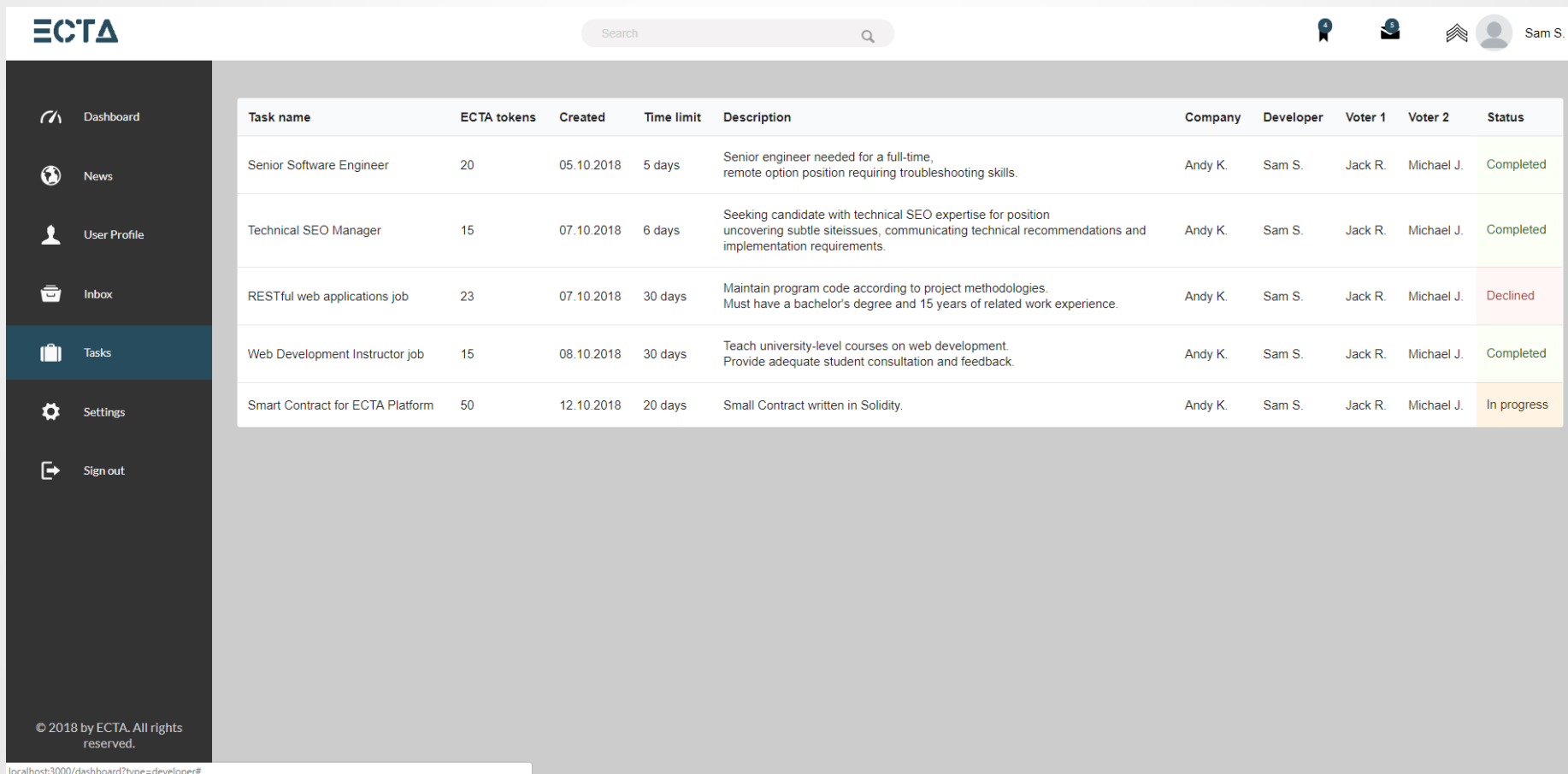
- Task Name:** Smart Contract for ECTA Platform
- ECTA PAY tokens:** 50
- Time Limit:** 20
- Description:** Small Contract written in Solidity.

Below the description field, there is a checkbox labeled "I have read and agree to the Terms and Conditions and Privacy Policy." which is checked. A blue "Create" button is located at the bottom of the form.

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Slika 2: Obrazec za ustvarjanje novega opravila

Prikaz opravila



The screenshot displays the ECTA dashboard interface. At the top left is the ECTA logo. A search bar is located at the top center. On the top right, there are icons for a ribbon, an envelope, a house, and a user profile labeled 'Sam S.'. A dark sidebar on the left contains navigation links: Dashboard, News, User Profile, Inbox, Tasks (highlighted), Settings, and Sign out. The main content area features a table with the following data:

Task name	ECTA tokens	Created	Time limit	Description	Company	Developer	Voter 1	Voter 2	Status
Senior Software Engineer	20	05.10.2018	5 days	Senior engineer needed for a full-time, remote option position requiring troubleshooting skills.	Andy K.	Sam S.	Jack R.	Michael J.	Completed
Technical SEO Manager	15	07.10.2018	6 days	Seeking candidate with technical SEO expertise for position uncovering subtle site issues, communicating technical recommendations and implementation requirements.	Andy K.	Sam S.	Jack R.	Michael J.	Completed
RESTful web applications job	23	07.10.2018	30 days	Maintain program code according to project methodologies. Must have a bachelor's degree and 15 years of related work experience.	Andy K.	Sam S.	Jack R.	Michael J.	Declined
Web Development Instructor job	15	08.10.2018	30 days	Teach university-level courses on web development. Provide adequate student consultation and feedback.	Andy K.	Sam S.	Jack R.	Michael J.	Completed
Smart Contract for ECTA Platform	50	12.10.2018	20 days	Small Contract written in Solidity.	Andy K.	Sam S.	Jack R.	Michael J.	In progress

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localhost:3000/dashboard?type=developer#

Slika 3: Prikaz ustvarjenega opravila

Glasovanje - podjetje

The screenshot shows the ECTA dashboard interface. At the top left is the ECTA logo. A search bar is located at the top center. On the top right, there are notification icons for 4 unread items and 5 messages, along with a user profile icon for Andy K. A dark sidebar on the left contains navigation links: Dashboard, News, User Profile, Inbox, New Task, Tasks (highlighted), Settings, and Sign out. The main content area displays a table of tasks.

Task name	ECTA tokens	Created	Time limit	Description	Company	Developer	Voter 1	Voter 2	Status
Senior Software Engineer	20	05.10.2018	5 days	Senior engineer needed for a full-time, remote option position requiring troubleshooting skills.	Andy K.	Sam S.	Jack R.	Michael J.	Completed
Technical SEO Manager	15	07.10.2018	6 days	Seeking candidate with technical SEO expertise for position uncovering subtle siteissues, communicating technical recommendations and implementation requirements.	Andy K.	Sam S.	Jack R.	Michael J.	Completed
RESTful web applications job	23	07.10.2018	30 days	Maintain program code according to project methodologies. Must have a bachelor's degree and 15 years of related work experience.	Andy K.	Sam S.	Jack R.	Michael J.	Declined
Web Development Instructor job	15	08.10.2018	30 days	Teach university-level courses on web development. Provide adequate student consultation and feedback.	Andy K.	Sam S.	Jack R.	Michael J.	Completed
Smart Contract for ECTA Platform	50	12.10.2018	20 days	Small Contract written in Solidity.	Andy K.	Sam S.	Jack R.	Michael J.	Yes No

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localhost:3000/dashboard?type=company*

Slika 4: Glasovanje podjetja

Glasovanje - glasovalec

ECTA Search [Q]

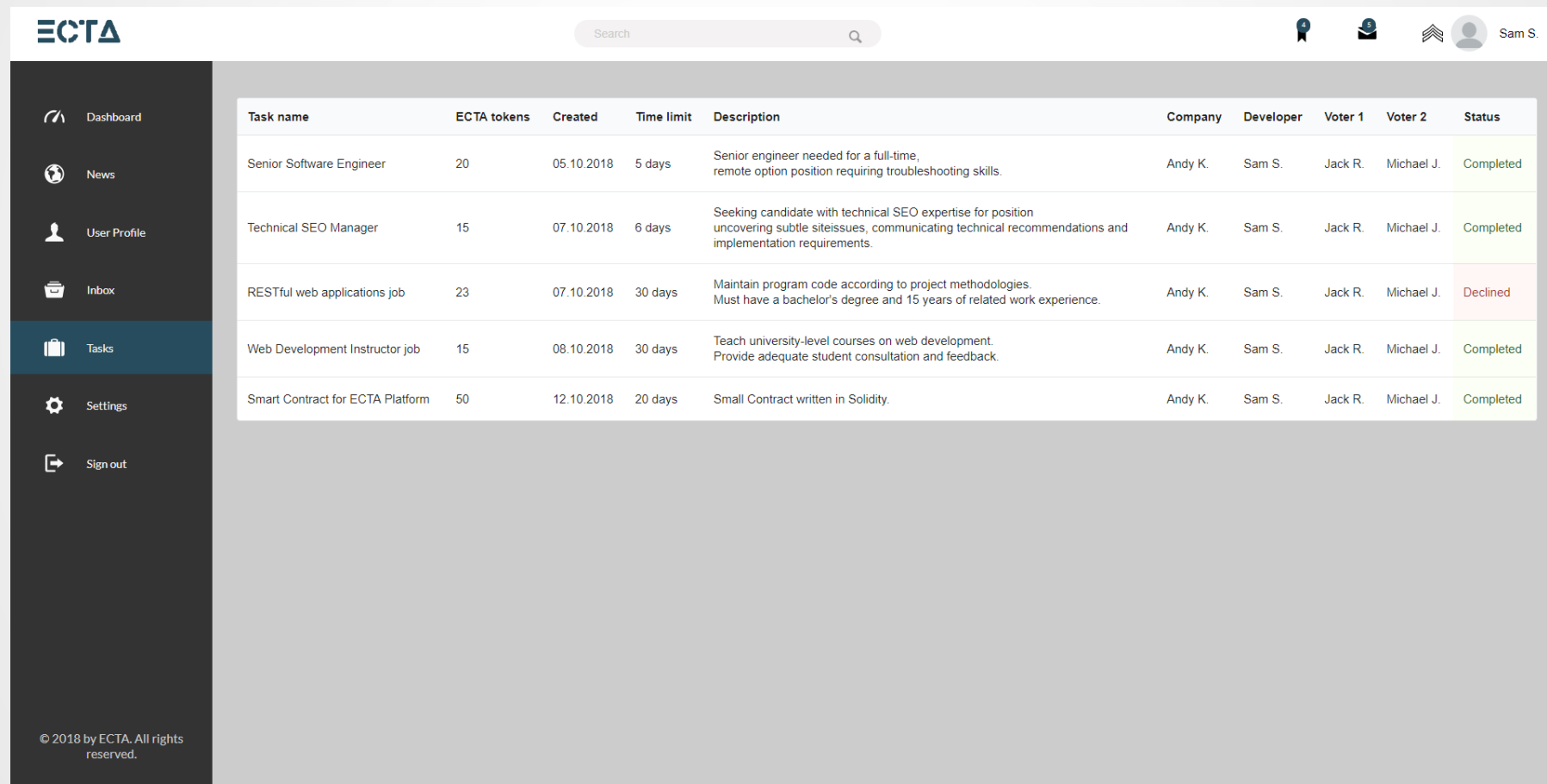
Jack R.

Task name	ECTA tokens	Created	Time limit	Description	Company	Developer	Voter 1	Voter 2	Status
Senior Software Engineer	20	05.10.2018	5 days	Senior engineer needed for a full-time, remote option position requiring troubleshooting skills.	Andy K.	Sam S.	Jack R.	Michael J.	Completed
Technical SEO Manager	15	07.10.2018	6 days	Seeking candidate with technical SEO expertise for position uncovering subtle siteissues, communicating technical recommendations and implementation requirements.	Andy K.	Sam S.	Jack R.	Michael J.	Completed
RESTful web applications job	23	07.10.2018	30 days	Maintain program code according to project methodologies. Must have a bachelor's degree and 15 years of related work experience.	Andy K.	Sam S.	Jack R.	Michael J.	Declined
Web Development Instructor job	15	08.10.2018	30 days	Teach university-level courses on web development. Provide adequate student consultation and feedback.	Andy K.	Sam S.	Jack R.	Michael J.	Completed
Smart Contract for ECTA Platform	50	12.10.2018	20 days	Small Contract written in Solidity.	Andy K.	Sam S.	Jack R.	Michael J.	Yes No

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Slika 5: Glasovanje glasovalca

Končano opravilo



The screenshot shows the ECTA dashboard interface. The top navigation bar includes the ECTA logo, a search bar, and user profile information for 'Sam S.'. The left sidebar contains navigation links for Dashboard, News, User Profile, Inbox, Tasks (highlighted), Settings, and Sign out. The main content area displays a table of tasks.

Task name	ECTA tokens	Created	Time limit	Description	Company	Developer	Voter 1	Voter 2	Status
Senior Software Engineer	20	05.10.2018	5 days	Senior engineer needed for a full-time, remote option position requiring troubleshooting skills.	Andy K.	Sam S.	Jack R.	Michael J.	Completed
Technical SEO Manager	15	07.10.2018	6 days	Seeking candidate with technical SEO expertise for position uncovering subtle site issues, communicating technical recommendations and implementation requirements.	Andy K.	Sam S.	Jack R.	Michael J.	Completed
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Web Development Instructor job	15	08.10.2018	30 days	Teach university-level courses on web development. Provide adequate student consultation and feedback.	Andy K.	Sam S.	Jack R.	Michael J.	Completed
Smart Contract for ECTA Platform	50	12.10.2018	20 days	Small Contract written in Solidity.	Andy K.	Sam S.	Jack R.	Michael J.	Completed

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Slika 6: Končano opravilo pri razvijalcu

Simulacija.

Hvala za vašu pozornost.

Viri

1. Top five blockchain benefits transforming your industry (online) (citirano: 6. 10. 2018, 13.59) Dostopno na spletnem naslovu: <https://www.ibm.com/blogs/blockchain/2018/02/top-five-blockchain-benefits-transforming-your-industry/>
2. Jesenska šola: Blockchain, dApps & smart contracts (online) (citirano: 6. 10. 2018, 14.04) Dostopno na spletnem naslovu: https://ii.feri.um.si/wp-content/uploads/2018/09/Pink-1024x330_1.png
3. Smart Contract – An introduction (online) (citirano: 6. 10. 2018, 15.47) Dostopno na spletnem naslovu: <https://etherworld.co/2017/09/18/smart-contract-an-introduction/>