evertrace

RISK MODELING FOR GLOBAL SUPPLY CHAINS

Evertrace is a Machine Learning platform for real-time cargo tracking, risk prevention and damage prediction

www.evertrace.io

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PHYSICAL DAMAGE 22%

THEFT 22%

WHAT ARE THE MAIN REASONS FOR CARGO DAMAGES DURING TRANSIT?

TEMPERATURE DEVIATION 8%

WATER DAMAGE 8%

1. **Growing damage ratio** and **payments for losses** in the global supply chains; no one wants to have damages

2. **High operational costs** for insurance companies, brokers, shippers, freight forwarders in case of cargo damage

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A global supply chain where shipper and insurer benefit
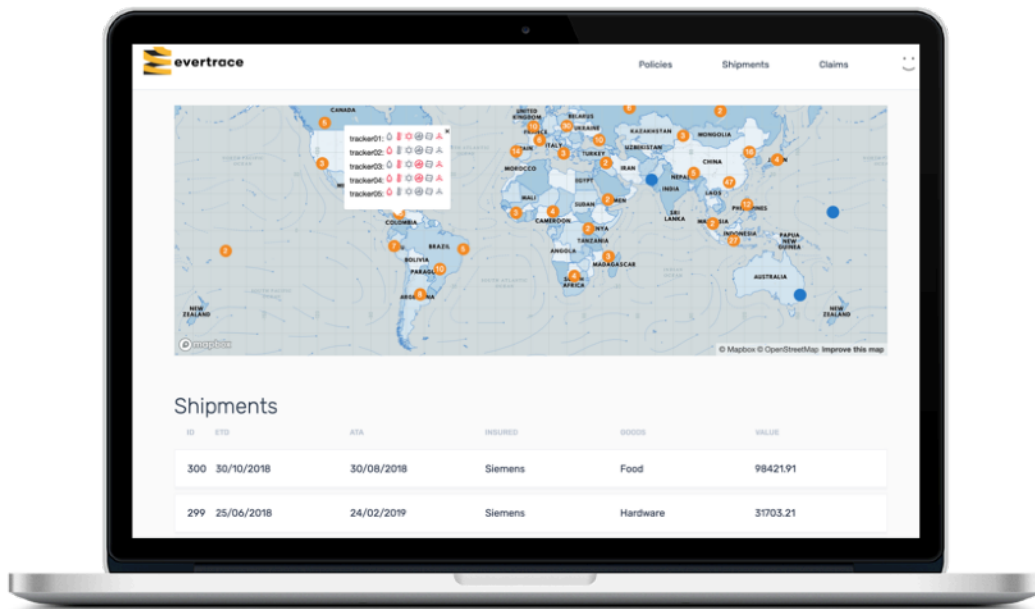from prediction and work together
to prevent cargo damages
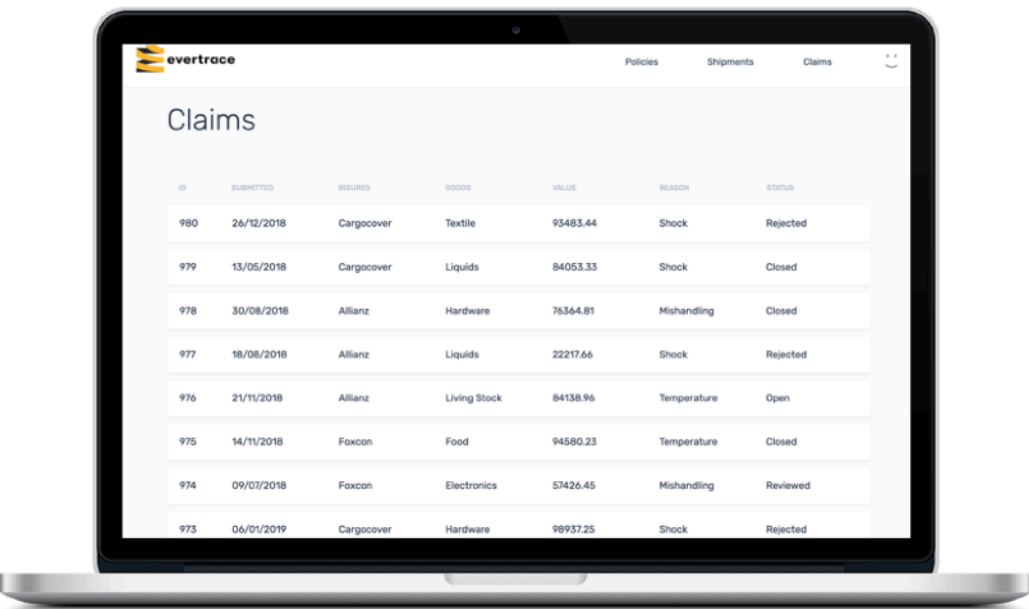
**Evertrace
Track & Trace**

Real-time tracking
Notifications & alerts
Reverse logistics

**Evertrace
Dashboard**

Tracking visualization
Underwriting guidelines
Claims automation

**Risk prediction &
damage prevention model**

Risk scoring
Risk accumulation
Damage prevention guidelines

EVERTRACE TRACKER SPECIFICATION

Temperature
Tracks temperature from -15c up to +50c; +/- 1 degree accuracy

Humidity
Monitors relative humidity between 0-100%; +/- 3.5 RH accuracy

Location
Monitor the location of shipments with GPS accuracy worldwide

Shock
An Alert triggered if box subject to 0.4 seconds, freefall.

Orientation
Alert if tilt more than 30 degrees. Orientation alert when a rotation greater than 45 degrees.

Light
Monitors opening or shipment / package. Alerts when more than 5.0 LUX

PREVENTION OF HUMIDITY-RELATED LOSS

Reasons for humidity damages:
- Container sweat / rain
- Lack of ventilation
- Seawater leakage
- Rainwater leakage

Evertrace features helping to prevent the damage:
- Real-time notifications (evertrace detects potential damage based on humidity sensor values)
- Severity of damage prediction and cargo vulnerability prediction (based on the sensor values, historical records and customized risk model)

Action plan of shipper / insurer in real-time:
- Get in touch with a carrier to prevent further damage (eg. fix the loading, repack the goods)
- Investigate condition of the cargo en route by surveying cargo. In case of damage, reload the cargo or order a replacement

RISK ACCUMULATION

Two main methodologies:

- Statistic model based on historical data (claims, individual and turn-over policies)
- Real-time tracking data

Maersk Honam 2018

Tianjin explosion 2015

Evertrace GmbH is a Berlin-based startup, founded in 2018.

We are powered by Berlin-based company builder Next Big Thing AG.

**Darina Onoprienko
CEO**

ex-Group leader Road Freight at DB Schenker, Logistics Analyst in Delphi

**Gautier Lobry
CTO**

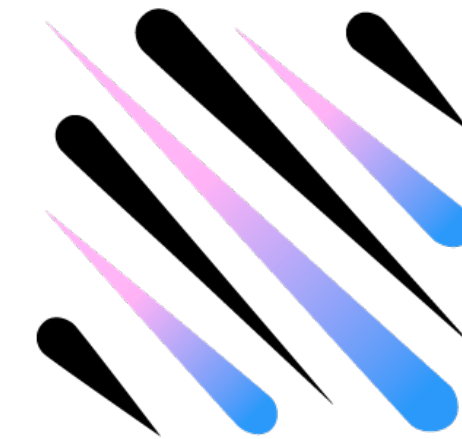ex-CPO at Sparks42 (Rocket Internet), VP Lead Architect at freenet

**Shashank Srivastava
Data Scientist**

ex-Data Scientist at IAV, Software developer at Accenture

**Hamed Abdollahpour
Senior Java developer**

ex-Senior Software engineer in Web Presence in China

**Senior Tech team of
Next Big Thing AG**

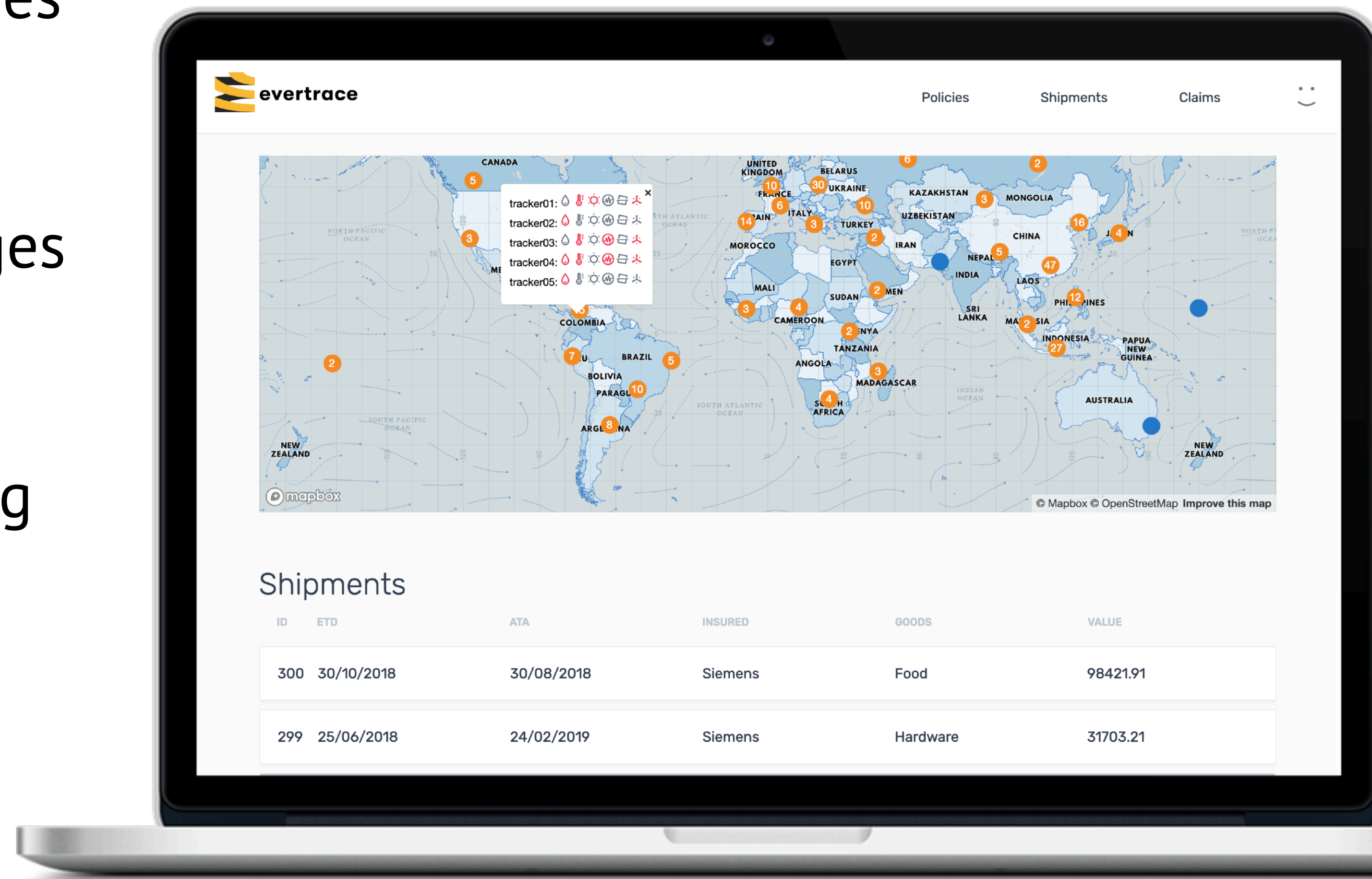Senior Backend and Frontend developers, Embedded Systems engineers

A platform for insurance companies and cargo brokers to:

- Track goods in real-time
- Predict risk and prevent damages
- Improve risk selection and automate claims

with the help of Machine Learning and IoT technologies

That's **evertrace**

GET IN TOUCH WITH US!

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