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PreX: A Predictive Model to Prevent Exceptions

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Highlights

- Proposal of a novel exception model for predicting and averting exceptions.
- The model introduces a shift in the paradigm of how developers face exceptions.
- The new model is evaluated in a real e-commerce system with good results.
- Exceptions are decreased by factors of 54, 69 and 110, or even fully averted.
- The experiments also show an increase in the system throughput.

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