Introduction to Enterprise Computing

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Confession:

I didn't believe Enterprise Computing was a real thing
What happens in one second?

- 5,787 Tweets
- 18,519 swipes
- 20,000+ Photos shared
- 63,000 searches
- 1,157,407 IBM Z transactions
The backbone of the world’s leading businesses

- 7 out of the top 10 global retailers
- 85 out of the top 100 worldwide banks
- 4 out of 5 of the world’s largest airlines
- 8 out of 10 of the world’s largest insurers
What is Enterprise Computing and IBM Z?
The systems behind the scenes running apps – from networking to infrastructure

68% of the world’s production IT workloads run on mainframe systems
IBM Z and LinuxONE
Elevating protection for Confidential Computing

Dedicated cryptography
Delivered massive secure transaction throughput

Pervasive Encryption
100% protection of data within the system

Data Privacy Passports
100% protection of data wherever it resides

No changes to applications
No impact to service levels
Ultimate risk mitigation for Digital business
<table>
<thead>
<tr>
<th>Percentage</th>
<th>Description</th>
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<tbody>
<tr>
<td>90%</td>
<td>Platform for Growth and long-term applications</td>
</tr>
<tr>
<td>67%</td>
<td>X-Large shops have majority of data on mainframe</td>
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<tr>
<td>56%</td>
<td>Using DevOps on the mainframe</td>
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<tr>
<td>74%</td>
<td>See ROI in 1 year or less with DevOps adoption</td>
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<tr>
<td>63%</td>
<td>Rate Security and Compliance as #1 top priority</td>
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Source: BMC Mainframe Survey 2020
Students pursuing careers in technology are focused on five primary things in a potential career. **Enterprise Computing outperforms other IT roles**

<table>
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<tr>
<th>Good salary</th>
<th>Good work-life balance</th>
<th>Ability to make a social impact</th>
<th>Working on something that aligns with primary interests in technology</th>
<th>Job security/role versatility</th>
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<td>Average reported starting salary for enterprise computing is <strong>$70,100</strong> versus <strong>$62,950</strong> of other mixed IT roles.</td>
<td>A good work-life balance (% rating 8, 9, or 10 out of 10) <strong>70%</strong></td>
<td>Social impact, for example, the ability to contribute to open source, social, or community groups, with your technical skills <strong>69%</strong></td>
<td>Opportunity to work with leading-edge tech <strong>70%</strong></td>
<td>Nearly 90% of professionals in enterprise computing careers agree the job market for their skill set is growing, and <strong>75%</strong> believe there is a shortage (i.e., high demand) for their skill.</td>
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</table>

Base: US online adults, 18+; 414 IT professionals involved in software development, IT support, enterprise architecture, enterprise computing systems administration/development, data science, etc. Source: A commissioned study conducted by Forrester Consulting on behalf of IBM, September 2019.
Enterprise Computing enables you to work in a wide variety of areas….

Hybrid Cloud
Within 5 years, more than 50%+ of U.S. P&C insurers will put new core systems in the cloud.

Analytics
Insurers are expected to spend approximately $8.3B, or 8% of their overall spending, with big data and analytics vendors in 2019, growing to $11.5B in 2022.

Blockchain
Insurance Blockchain market is expected to grow to $1.4B by 2023, at a CAGR of 85%.

Insurtech
VC investments almost doubled in last two years, 1.7B in 2016 to $3B in 2018.

Artificial Intelligence
AI spend from spend $1.1B in 2019 to $2.6B in 2022.

Internet of Things
Insurance industry is expected to spend $7.7B on IoT in 2019, growing to $12B in 2022.