



DIMPLES TYPE

ENGINEERING

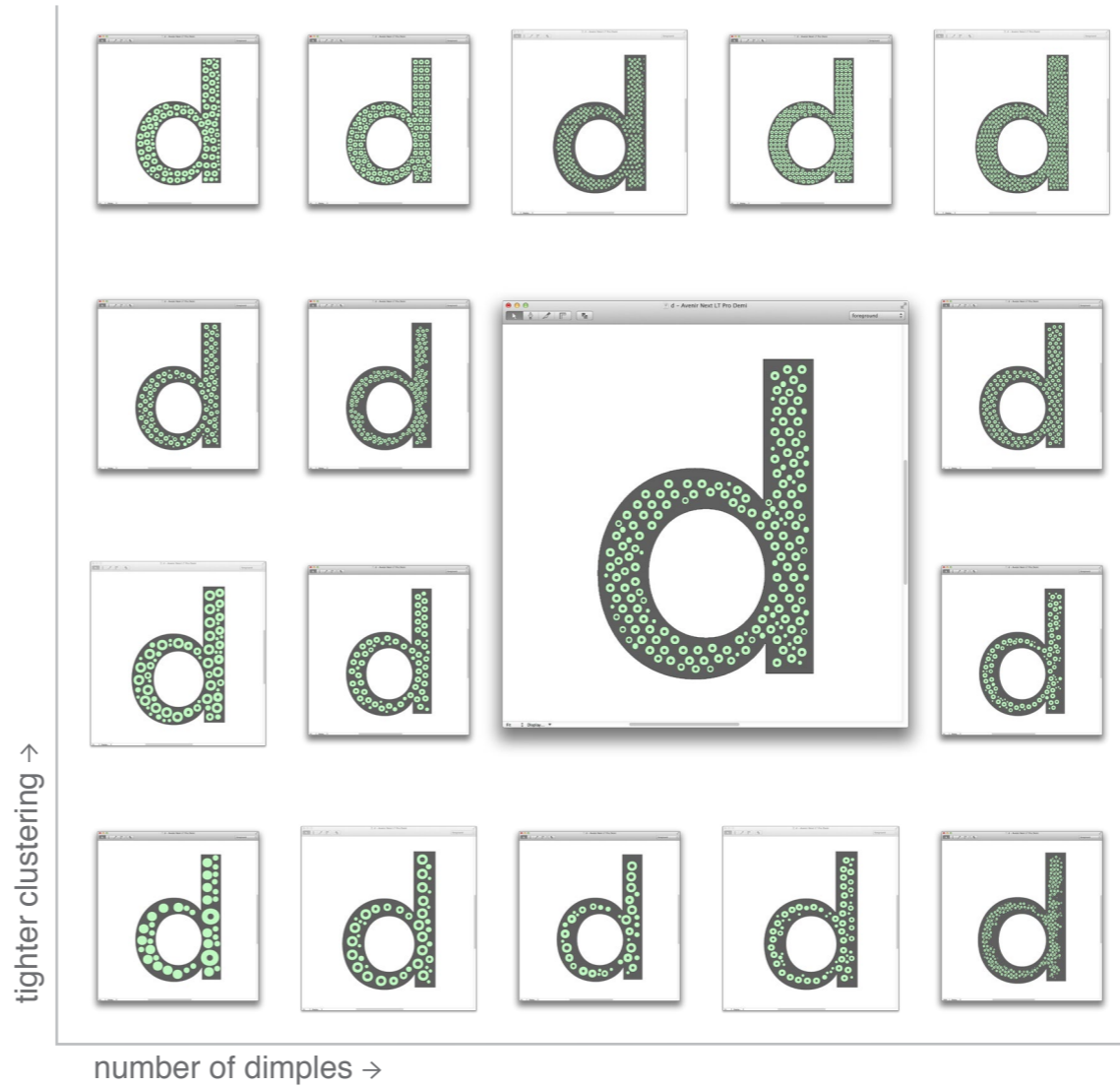
FONT GENERATION PLATFORM

Dimples Type is a service for generating ink-saving font overlays. Prior to Type, ink-saving fonts were built by hand, requiring my co-founder and I to place 10,000+ dimples per font. With Type, ink-saving overlays are generated with much less human input.

Client onboarding time has dropped from months to days.

I am the system architect and implementor of all components.

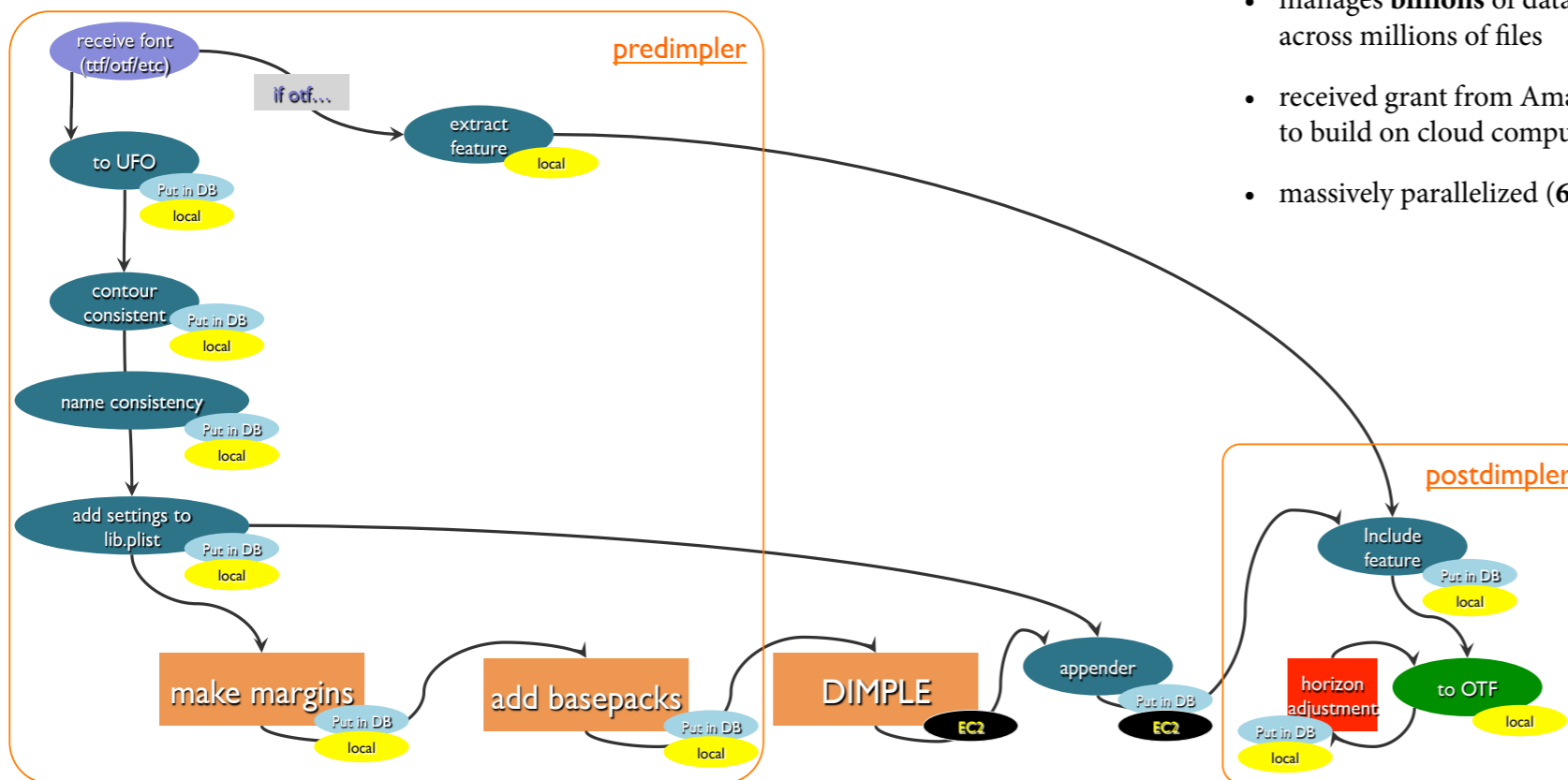
A spectrum of ink-saving glyphs generated by Type.





TECHNICAL HIGHLIGHTS

- manages **billions** of data points across millions of files
- received grant from Amazon Web Services to build on cloud computing architecture
- massively parallelized (**650+ cores**)
- multilingual** glyph decompilation
- taxonomic font identification database
- Python, JSON, XML, TTX, UFO, OTF, TTF, EC2, S3, SQS, Robofab, Robofont, Fontlab, Git, Mercurial



Top: A draft schematic of the Type architecture.

Bottom, from left: Continuous print tests ensure failures are corrected early in development; Samples of multilingual glyphs regularly dimpled; Processor utilization graph depicting auto de-scaling after a font batch.

