Web development using Go and Ember.js

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About Me

- Technical Architect at ZeOmega, Bangalore
- Python Developer for 10+ years
- FOSS Contributor (Zope, SMC, Koha, SaltStack etc.)
- Founded the Swathanthra Malayalam Computing (SMC) project in 2001 while studying at REC, Calicut
- Conducted many Python related talks and workshops in India.
- In 2013, received the first Kenneth Gonsalves Award for my contributions to the Python community in India
- A Golang enthusiast for last few months

Web development

- Programming language for backend
- JavaScript framework
- HTML/CSS framework
- Database backend
- Server side web framework (RESTful API)

Frontend vs Backend

- Frontend should *not* be an afterthought
- Backend should be really scalable
- Maintenance cost involves both ends
- Go is one of the best choice for scalable backend
- Many choices for frontend: AngularJS, ReactJS, EmberJS etc.
- Single Page Application (SPA) is the current and future

Ember.js

A *framework* for creating ambitious web applications

Auto-Updating Handlebars Templates

Ember makes Handlebars templates even better, by ensuring your HTML stays up-to-date when the underlying model changes. To get started, you don't even need to write any JavaScript.

Components

Experience the future of the web platform today with Ember's components. Components allow you to create your own application-specific HTML tags, using Handlebars to describe their markup and JavaScript to implement custom behavior.

Loading Data From A Server

Ember.js eliminates the boilerplate of displaying JSON retrieved from your server. If you know how to use jQuery, you know how to fetch models in Ember.

Routing

Build JavaScript apps that don't break the web! Ember.js makes it downright simple to create sophisticated, multi-page JavaScript applications with great URL support, in a fraction of the code you'd write in other frameworks.

Go for web backend

- Rich standard library
- JSON encoding package
- HTTP(S) Server

Go packages

- database/sql + lib/pq (PostgreSQL)
- codegangsta/negroni
- gorilla/mux
- dgrijalva/jwt-go
- blevesearch/bleve

Thanks!

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