Jacob Marttinen

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Summary

Full-stack backend developer experienced in building out application servers from the ground up, from initial API design to large-scale production deployment.

Skills

- Languages/Frameworks: Go, Node.js (Koa, Express), Python (Flask), iOS (Swift), Unity (C#)
- Data: DynamoDB, MySQL (+Amazon Aurora), Redis, Google NDB
- Infrastructure/Ops: AWS (EC2, Elastic Beanstalk, RDS, DynamoDB, ElastiCache, S3, SNS, SES), Google Cloud (App Engine, Compute Engine, NDB), PubNub, TokBox, Twilio, Git/GitHub

Projects

Portal – portal.me

04/2016 - 10/2016

- Portal is a real-time video broadcast platform that lets users share life's little moments as they happen
- Engineered video router backend to support video broadcast to 1–500 people with <100ms latency
- Technologies used: Go, DynamoDB, AWS, WebRTC, Janus, PubNub, TokBox
- Peach peach.cool

09/2015 - 04/2016

- · Peach is an intimate social journal that lets users share and chat in a real and personal way
- Designed/developed/deployed application backend that scaled to >100k actives within 24h of launch
- Technologies used: Go, MySQL (Aurora), DynamoDB, Redis, AWS

Experience

New York, NY Tounding Engineer at Interspace - New York, NY

10/2016 - Present

- · Creating something new in the VR space
- Senior Software Engineer at Byte New York, NY

06/2014 - 10/2016

- Lead backend API architecture, development, and deployment for several iOS/Android/web applications with >500k users
- Managed infrastructure for two distributed systems deployed on AWS with four nines reliability
- Helped grow the company as the first hire to a team of 12; mentored a team of 1–3 engineers

Software Development Engineer at Microsoft – Redmond, WA

08/2013 - 06/2014

- Ensured consistent scaling and performance between three major Entity Framework releases
- Made several open-source contributions to the Microsoft Azure SDK for Node.js
- Assisted in the initial open-source conversion of the .NET 5 framework on GitHub
- Web Engineer at Work Market New York, NY

10/2012 - 08/2013

- Increased mobile engagement by 30% by independently developing Android/iOS webview applications for the mobile platform
- Implemented several features for the Work Market web platform (Java/Spring/Hibernate)

Education

BMath (Honours Computer Science), University of Waterloo, Canada iOS Developer Nanodegree, Udacity

06/2013 In Progress