

Vipul Nataraj

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OBJECTIVE	Experienced Software Engineer looking for full time opportunities.
EDUCATION	<i>Bachelor of Science, Computer Science</i> Purdue University, West Lafayette, IN December 2014
SKILLS	<i>Languages & Software:</i> Python, Java, C, C++, Git, HTML, PHP, MySQL, x86-64 Assembly, MIPS, Objective-C, ANTLR, Node.js, JavaScript, Django, Ruby, Ruby on Rails <i>Platforms:</i> AWS, Unix, Linux, MacOS, Android, iOS <i>Other Skills:</i> Network Design, System Design
EXPERIENCE	<div><div><i>CTO & Co-Founder</i> June 2017 - present Palate App Corporation<ul style="list-style-type: none">Built team & led development from idea to release on app store. Identified roles and responsibilities based on company needs, peoples aspirations and inventory of capabilities.Developed core company vision with co-founders, raised friends & family money to bootstrap venture. Led technical portion of pitch with prospective investors.Led designers, engineers, DBAs and all other assorted personnel to drive development.Developed tooling for CI/CD workflow - a CI/CD pipeline, notification and build approval bots - reflecting an evolving philosophy on automated ops, information transparency and streamlined processes.Ensured low overhead server runtimes were used across the stack, extending to both ephemeral servers and containers.Designed cutting-edge Machine Learning system & algorithm, US Patent pending.Technologies used: Python, Django, AWS (Lambda, Glue and others), PostgreSQL, Spark.</div><div><i>Software Engineer</i> March 2017 - March 2018 Unroll.Me, Inc.<ul style="list-style-type: none">Designed architectures composed of miniature "utility" functions using FAAS(function as a service) platform tools to reduce operational overhead in small dev team.Expanded engineering capacity by 20% as a result of service refactors.Streamlined development & deployment of "serverless" applications by developing first reproducible cross-language cross-platform build system using Docker. Consolidated developer machine configurations into one common configuration as a result.Worked on managing system traffic analyzing thousands of gigabytes of emails per week. Used results gathered during this time to pioneer streaming AWS Kinesis Firehose data through AWS Lambda to horizontally scale parsing without adding new physical servers.Technologies used: Python, Node.js, Java, MySQL, AWS, PostgreSQL, Spark</div><div><i>Platform Solutions Engineer</i> February 2015 - March 2017 Slice Technologies, Inc.<ul style="list-style-type: none">Created 2 Architecture designs for production systems & worked on MVP's for both.Built an inter-company, cross-platform, multi-language data distribution system relied on by executives, business units, and product teams alike.Developed product around legacy Slice API to allow for direct consumption by developers. Created revamped documentation website and authored multiple SDKs and sample applications to demonstrate best practices and inform customers of capabilities.Technologies used: Python, Node.js, Java, MySQL, AWS</div></div>
PROJECTS	<i>Senior Design - NOLFI</i> Purdue University, West Lafayette, IN <ul style="list-style-type: none">Led software development and designed logic for an autonomous robotic fishHeavily optimized software on controller to lower response time, allowing use of a lower power microcontroller without a need for multithreading.Features implemented include obstacle avoidance and ability to control instability in roll, pitch, and yaw.
HOBBIES & INTERESTS	Mountaineering, Backpacking, <u>Photography</u> , Tabletop Games, Travel, Triathlons