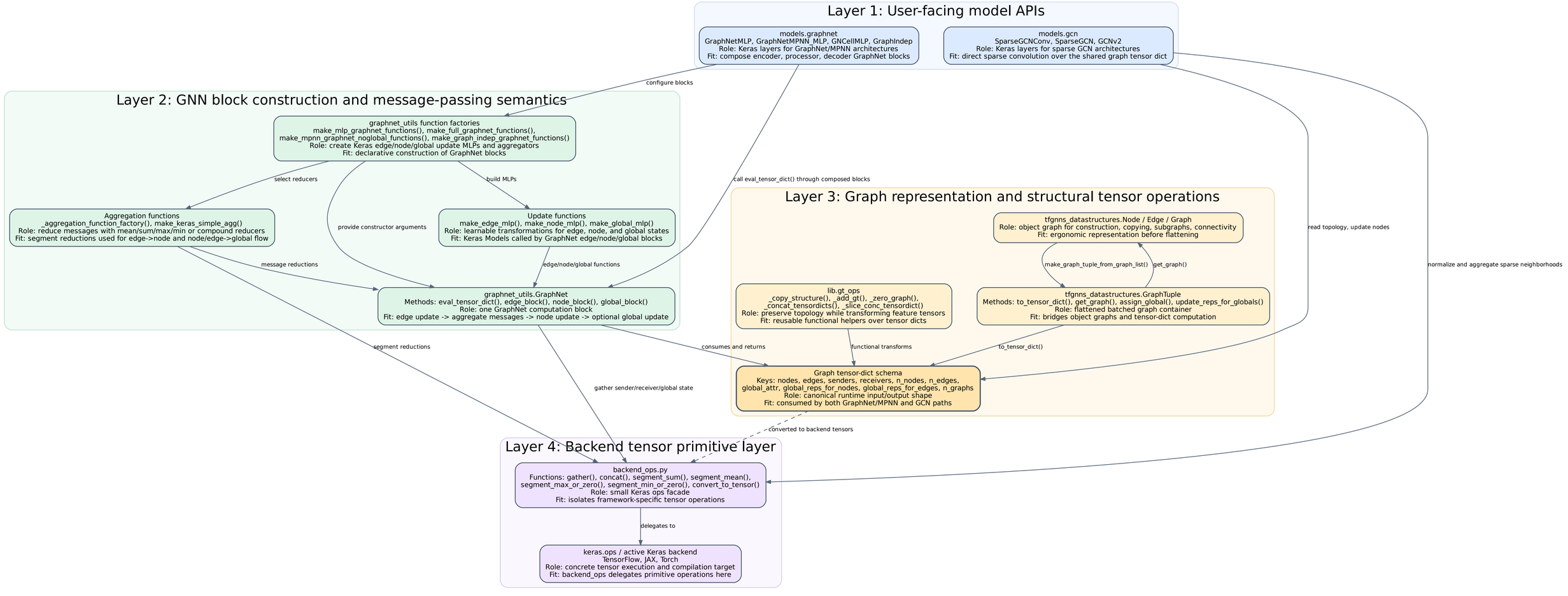tf_gnns idealized runtime architecture